

Robert & Reitsma
91-92 Book II

Howard C. Conner

Bulley Forest 15 March Chapt.

Pt. 14	617	40%
Sp. Dr. Wren ✓	Cave Flycatcher	(1)
RT Hummer	VT Spizella	(1)
Social Fly	RBT Tanager	(1)
Little Thrasher (1)	Sc. Lark	(1)
Wilson's Warbler	GB Sparrow	
Bob-tail Finch (1)	CSWAT	1
Blue Grosbeak	No Dove	1
A. Col Robin	LEPL	(1)
Pt. 15	632	70%
Red-tail ✓	Yell Warbler	(1)
BF Salt	Common Gull	1
RB Cacique (1)	RT Hummer	(1)
Sp. Dr. Wren (1)(1)	RBZL	(1)
RT Salt	Common Fly	
Attila (1)	Wilson's	1
WN Thrasher	RBT Tanager	(1)
	Mex SP	(1)
	CELC	(1)
Pt. 16	648	75%
YTFly (1)	RT Hummer	
BBW (1)	BBW (1)(1)	
Blueop (1)	Social Fly	(1)
Sp. Dr. Wren (1)	RT Salt	(1)(1)
	D. Antbird	(1)
Yellow R(1)	BBW	
Blueop (1)	W. Blackbird	(1)
	FC. Towhee	(1)(1)

July, 1861

7000 Bakerside acres

Species	Length	Age	Sex	Notes
Spotted Towhee	102	52		
Linnet	87	32		
Blue Grosbeak	111	10		
Waxwing	26	16L		
Tanagers	22	42		
BC Art Tanager	27	11R		
W Bush-tits	23	10R		
Sp. W. Tit	26	92		
4 Dusky Flycatchers	27	15L		
Spot winged	161			
Red-shafted Flicker	1			
Kentish Tern	34			
Rock Pt. Tern				
Thick-billed Murre	22	11L		
Black-legged Kittiwake	26	10L		
2 Spectacled Eiders	100			
2 Little Blue Herons	100			
Pearl-necked Gull	148			
Ring-billed Gull	162			
2 Gull-billed Gulls	100			
2 Gulls	100			
2 Gulls	100			
Common Murres	100			
Common Murres	100			

Kentucky L	10.8	10L
W. Sust. Wren L	10.7	16L
25. P. Wren L	"	"
Poly. Sandpiper L	10.8	18L
Bentbill h	11.4	8L
2 Chachalaca s	11.5	7L 4/12
Kinabu	"	"
Woodpecker h	11.9	6R
W. Sparrow h	12.5	6L 3/10
Ovenbird h	12.2	20R
Redstart	12.6	10R 15L

() 8.7 + 7 =

Wood Thrush h	13.5	15R
Thrushlike Mockingbird	10L	
W. W. Wren h	14.2	9L 21/10
U. Cuckoo s	14.3	2L
Lesser Goldfinch	15.1	2L
KB Flycatcher s	15.4	6L
Sulph. Flycatcher s	15.5	0L 21/10
Or. Flycatcher s	15.6	0L 26
Topaz h	15.9	
Mang. R. h	15.8	18R
Shrike h	16.1	17L
W. Vireo s	17.3	18L 21/21
Sabrew. S	17.5	12L 21/21
Little B. W. S.	17.7	3R

OB Euphonia h	18.5	17L
SP (3) Wren h	19.1	20L
Brewd. Flycatcher	19.4	20L
W. Vireo	19.2	2L
Blue-sh. Tanager	19.7	6L
Gal. Flycatcher	19.8	13L
Spurred	19.6	16L
W. Vireo s	19.9	17L
W. Vireo s	20.3	11L
W. Vireo s	20.6	11L
W. Vireo s	20.2	11L
W. Vireo s	20.9	11L
W. Vireo s	21.5	11L
W. Vireo s	21.1	11L
W. Vireo s	21.5	11L
W. Vireo s	21.8	11L
W. Vireo s	22.5	11L
W. Vireo s	22.8	11L
W. Vireo s	23.2	11L
W. Vireo s	23.5	11L
W. Vireo s	23.8	11L
W. Vireo s	24.1	11L
W. Vireo s	24.5	11L
W. Vireo s	24.8	11L
W. Vireo s	25.1	11L
W. Vireo s	25.4	11L
W. Vireo s	25.7	11L
W. Vireo s	26.0	11L
W. Vireo s	26.3	11L
W. Vireo s	26.6	11L
W. Vireo s	27.0	11L
W. Vireo s	27.3	11L
W. Vireo s	27.6	11L
W. Vireo s	28.0	11L
W. Vireo s	28.3	11L
W. Vireo s	28.6	11L
W. Vireo s	29.0	11L
W. Vireo s	29.3	11L
W. Vireo s	29.6	11L
W. Vireo s	29.9	11L
W. Vireo s	30.2	11L
W. Vireo s	30.5	11L
W. Vireo s	30.8	11L
W. Vireo s	31.1	11L
W. Vireo s	31.4	11L
W. Vireo s	31.7	11L
W. Vireo s	32.0	11L
W. Vireo s	32.3	11L
W. Vireo s	32.6	11L
W. Vireo s	32.9	11L
W. Vireo s	33.2	11L
W. Vireo s	33.5	11L
W. Vireo s	33.8	11L
W. Vireo s	34.1	11L
W. Vireo s	34.4	11L
W. Vireo s	34.7	11L
W. Vireo s	35.0	11L
W. Vireo s	35.3	11L
W. Vireo s	35.6	11L
W. Vireo s	35.9	11L
W. Vireo s	36.2	11L
W. Vireo s	36.5	11L
W. Vireo s	36.8	11L
W. Vireo s	37.1	11L
W. Vireo s	37.4	11L
W. Vireo s	37.7	11L
W. Vireo s	38.0	11L
W. Vireo s	38.3	11L
W. Vireo s	38.6	11L
W. Vireo s	38.9	11L
W. Vireo s	39.2	11L
W. Vireo s	39.5	11L
W. Vireo s	39.8	11L
W. Vireo s	40.1	11L
W. Vireo s	40.4	11L
W. Vireo s	40.7	11L
W. Vireo s	41.0	11L
W. Vireo s	41.3	11L
W. Vireo s	41.6	11L
W. Vireo s	41.9	11L
W. Vireo s	42.2	11L
W. Vireo s	42.5	11L
W. Vireo s	42.8	11L
W. Vireo s	43.1	11L
W. Vireo s	43.4	11L
W. Vireo s	43.7	11L
W. Vireo s	44.0	11L
W. Vireo s	44.3	11L
W. Vireo s	44.6	11L
W. Vireo s	44.9	11L
W. Vireo s	45.2	11L
W. Vireo s	45.5	11L
W. Vireo s	45.8	11L
W. Vireo s	46.1	11L
W. Vireo s	46.4	11L
W. Vireo s	46.7	11L
W. Vireo s	47.0	11L
W. Vireo s	47.3	11L
W. Vireo s	47.6	11L
W. Vireo s	47.9	11L
W. Vireo s	48.2	11L
W. Vireo s	48.5	11L
W. Vireo s	48.8	11L
W. Vireo s	49.1	11L
W. Vireo s	49.4	11L
W. Vireo s	49.7	11L
W. Vireo s	50.0	11L
W. Vireo s	50.3	11L
W. Vireo s	50.6	11L
W. Vireo s	50.9	11L
W. Vireo s	51.2	11L
W. Vireo s	51.5	11L
W. Vireo s	51.8	11L
W. Vireo s	52.1	11L
W. Vireo s	52.4	11L
W. Vireo s	52.7	11L
W. Vireo s	53.0	11L
W. Vireo s	53.3	11L
W. Vireo s	53.6	11L
W. Vireo s	53.9	11L
W. Vireo s	54.2	11L
W. Vireo s	54.5	11L
W. Vireo s	54.8	11L
W. Vireo s	55.1	11L
W. Vireo s	55.4	11L
W. Vireo s	55.7	11L
W. Vireo s	56.0	11L
W. Vireo s	56.3	11L
W. Vireo s	56.6	11L
W. Vireo s	56.9	11L
W. Vireo s	57.2	11L
W. Vireo s	57.5	11L
W. Vireo s	57.8	11L
W. Vireo s	58.1	11L
W. Vireo s	58.4	11L
W. Vireo s	58.7	11L
W. Vireo s	59.0	11L
W. Vireo s	59.3	11L
W. Vireo s	59.6	11L
W. Vireo s	59.9	11L
W. Vireo s	60.2	11L
W. Vireo s	60.5	11L
W. Vireo s	60.8	11L
W. Vireo s	61.1	11L
W. Vireo s	61.4	11L
W. Vireo s	61.7	11L
W. Vireo s	62.0	11L
W. Vireo s	62.3	11L
W. Vireo s	62.6	11L
W. Vireo s	62.9	11L
W. Vireo s	63.2	11L
W. Vireo s	63.5	11L
W. Vireo s	63.8	11L
W. Vireo s	64.1	11L
W. Vireo s	64.4	11L
W. Vireo s	64.7	11L
W. Vireo s	65.0	11L
W. Vireo s	65.3	11L
W. Vireo s	65.6	11L
W. Vireo s	65.9	11L
W. Vireo s	66.2	11L
W. Vireo s	66.5	11L
W. Vireo s	66.8	11L
W. Vireo s	67.1	11L
W. Vireo s	67.4	11L
W. Vireo s	67.7	11L
W. Vireo s	68.0	11L
W. Vireo s	68.3	11L
W. Vireo s	68.6	11L
W. Vireo s	68.9	11L
W. Vireo s	69.2	11L
W. Vireo s	69.5	11L
W. Vireo s	69.8	11L
W. Vireo s	70.1	11L
W. Vireo s	70.4	11L
W. Vireo s	70.7	11L
W. Vireo s	71.0	11L
W. Vireo s	71.3	11L
W. Vireo s	71.6	11L
W. Vireo s	71.9	11L
W. Vireo s	72.2	11L
W. Vireo s	72.5	11L
W. Vireo s	72.8	11L
W. Vireo s	73.1	11L
W. Vireo s	73.4	11L
W. Vireo s	73.7	11L
W. Vireo s	74.0	11L
W. Vireo s	74.3	11L
W. Vireo s	74.6	11L
W. Vireo s	74.9	11L
W. Vireo s	75.2	11L
W. Vireo s	75.5	11L
W. Vireo s	75.8	11L
W. Vireo s	76.	

Poor Coon's FOREST HAWKON

9 DEC	Loma B. ca.	Ramona House
Pt. 74b	Foggy	658
Red-shafted Flicker	1	
3 N. Mocked Tanager	III	
Melodious Blackbird	0.15	
10 Ibis	1	
GO w/ dr? lower church - church class	1	
C. Benicia	1	
Moxy ♀	1	

Pt 15b ~135 m down-dip 720

Great Britain

Tropicales I

melodious Blbnd (D)

VB (cyclic) (1)

celebrated

Spot-bellied

Office

Darland

Wilson's 11th

(336)(c)(1)

May 1

1. can't get up

Variety of Plants

Lebanon
Kentucky

Went off to [unclear]

12-166 Bunker Road, Block 300

Widener (1)
Wad Laredo man (1) (D)
Frigate Wigeon (1)
Ruddy Turnstone (1)
Red Billed Gulls (1)
Common Tern (1) (D)
Sooty Tern (1)
Herring Gull (1)
Mallard (1)
Black Bellied Plover (1)
Western Gull (1)
Banded Kingbird (1) (D)
Blue Winged Teal (1)
Greater Scaup (1)
Banded Sp (1) (D)
Greater Scaup (1)
Ring Billed Gull (1)
Streak E. Widener (1)

1000

you like this

A faint, horizontal grid of squares, likely a tracing or copywork exercise.

Leucostethus (n)

~~19~~ Viroin
Belgium

It is in fact

1. *Urticaria* 2. *Angioedema*

10 15 11

C Library

635-95

Cinnate 735 745 Rd 800

15 Oct 91 Sample Point 120 Chay

Frog Lizard	L	19.2	
LEPL h		19.6	SL
WT h		19.7	SL
Southern Horned L		19.2	SL
Catb h		19.8	SL
Long Toed Pcr. LS	TL	19.8	
Blue Flycatcher	h	19.1	SL
LEPL h		19.3	SL
Wing h		19.5	SL
Gnat h		18.6	SL
Catb h		18.8	TL
WID h		18.5	TL
No Dorsal ♀	c	18.2	10L
WID Dab Pahs		"	6L
CORL s		18.2	20L
WID		17.4	SL
OT m/s		17.1	SL
WID Dab		18.1	SL
WID Dab		18.1	SL
Blue Flycatcher h		18.2	12L
Yellow Mol ♀	s	17.8	19L
YTC sh-s	s	17.7	6P
Catb h		16.8	10L
LEPL h		16.3	7L
Catb		16.3	1P
OTL h		16.6	5L
Catb s		16.2	3L

large clearing on sandy ground
- eastern strawberry
flowering

Wing h		14.8	5L
WID h		14.7	6L
OTL s		14.7	7L
WID		14.2	10L
Am h		13.8	6L
Tillons Wldl ♀		13.1	2L
WID		13.7	1L
WID		13.1	2P
WID		14.1	2L
WID		14.1	2L
WID		12.8	9L
Spoonbill	SL	15.4	10L
WID		12.6	9L
3 No. Crows ♀		12.2	9L
Nashville Warbler	s	12.1	9L
Long Tailed S		11.7	6L
WID		10.1	1L
WID		10.3	8L
Catb. s		9.4	1L
Wing h		9.9	1L
Wing h		9.5	10L
WID		9.9	10L
WID		7.3	6L
WID		7.3	8L
WID		7.9	7L
WID		7.1	7L
WID		7.1	6L
WID		6.8	10L
WID		5.9	0.6
WID		5.1	25L
WID		9.3	18L
WID		7.5	4L
WID		7.7	9L
WID		7.7	10L
WID		7.9	7L
WID		7.5	7L
WID		7.5	4L

best bird after all
you can

Blue Grosbeak	19	HR	73
GIT Phoebe	10	SR	76
Z. T. S.	"	"	"
B. H. W. S.	1.3	61	56
GIT ♀ ♂	1.9	3L	
B. B. H. F. S.	1.5	17R	
Carbo S.	1.3	14R	
Z. T. S.	0.3	7L	
L. T. S. S.	1.3	2R	02
PSPH	0.7	6L	
W. D. R.	0.1	13L	
LEPL b	0.1	15L	
BUGS	18	4R	
W. C. - W. H. T.	Cabot	2	02
W. H. T.	Soda	2	02
W. H. T.	7m		
LEPL	10	Darwin S.	
GIT	10	G. G. S.	
Carbo	10	74	
Blue Grosbeak	10		
White-tailed Kite	10		
Common Quail	10		
Red-shafted Flicker	10		

		100%	50% - 100%
Redstart s	199	12	201/20
W. B. W. S.	197	17L	
W. B. W. S.	99	10R	
W. B. W. S.	18.	8	7L
W. B. W. S.	13.	3	72
W. B. W. S.	17.9	18L	
W. B. W. S.	7.6	7L	201/23
B. Guir	17.	16L	17/22
B. T. N. S.	16.8	6R	201/25 Ley
W. B. W. S.	17.1	15L	
W. B. W. S.	17.2	13L	
2 P. T. American	17.	16L	17/14
Spur	"	3L	2/10
Red-tail S.	"	5L	8/15
2 Blue-gray T. Vireo	16.9	6L	197/23
W. B. W. S.	16.9	6R	05/1840
Wood Thrush	6.7	3R	
Red-tail S.	16.7	13R	15/23
0.5 Sparrow	16.5	12L	05/10
W. B. W. S.	16.6	10L	
W. B. W. S.	16.3	5L	
Cherry Red. Warbler	15.9	60	19/22
B. T. N. S.	15.9	20R	16/20
Orange	15.8	6L	
Wood Thrush	15.8	18L	
Red-tail S.	15.8	10L	
0.5 Sparrow	15.5	8L	
W. B. W. S.	15.2	8R	13/16
W. B. W. S.	14.9	11L	
Red-tail S.	14.9	5L	8/20
B/G Grackle	14.6	4L	7/15
Red-tail S.	14.6	4L	
Magpie	14.3	15R	
W. B. W. S.	13.9	9L	
W. B. W. S.	12.8	3L	
Red-tail S.	14.6	7L	
Red-tail S.	14.6	4L	4/15
Red-tail S.	14.6	1L	201/22

but don't do much in both. 10/10

of bushwhacking b /
lesses for country a /
11000' elevations S

W. 1000'
are you able
in way of plane

Layayout Route b 10/10			
13 PL S	98	72	10/8
10 Sols	95	5R	10/10
W. Larch	96	2P	
bz. Burn b	91	10L	
Merry b	3.6	5R	
WY	8.4	8L	24/25
2 Larch b	23	12L	
Blt No Sols	7.5	9R	2P
2 No Burn b	7	8L	2L
Arch Cap Sols	5L	19	
Blue Ridge	7L	8/22	
Ridge	7.5	8L	20
Rocky S.	7.3	17R	10/22
Btws Sols	7.2	17R	"
2 Hgryl. Plants	7.3	12X	10/2
W. Larch b	7.1	17L	3
100' est. Wdpt	7.5	96L	
13 PL S			
L. Larch b			
13 PL S			
Sch. Ad. 13 March			
W. Larch	6.5		
10 PL S			
Right. Antelope			
Blue Cap Sols			
W. Burn			
10 Larch			

W. Larch	6.8	17R
RT Ant. Larch	6.8	14R
BTW Sols	6.8	5R
10 Larch b	7.1	15L
Layayout altitudinal	7.9	13R
Merry	5.1	5R
Rocky Sols	4.3	2P
W. Larch	3.8	5L
W. Larch	2.4	6L
W. Larch	2.7	5L
2 Sp. b. W. Larch	2.3	9L
W. Larch	2.3	6
W. Larch	2.4	8L
2 Sp. b. W. Larch	2.1	17
W. Larch	2.1	6L
W. Larch	1.3	7L
Rocky Sols	0.9	6P
10 Larch b	1.1	12L
Rocky Sols	7	
W. Larch	9	
W. Larch	7	
W. Larch	3	
W. Larch	3	
W. Larch	7	
W. Larch	7	
W. Larch	7	
W. Larch	6	
W. Larch	6	
W. Larch	7	
W. Larch	7	
W. Larch	1	
W. Larch	1	
W. Larch	1	

Stratford Woods, 107

which can be largely reduced

On duty

3. 7. 10 / 310

12 Dec All Wt		Jan 6, 1910	
D. L. Smith	b	10.9	10R
John C. S.	s	12.9	2R
P. Collier Jr.	b	10.4	9L
No. Waterhouse b	b	19.3	7L
W. G. Bell b	b	19.1	5L
M. M. L.	b	19.1	10R
C. S. S. b	b	19.1	10R
John Waller b	b	9.1	1L
B. F. H. Salt	b	19.2	1SR
C. C. Morris	b	19.2	0.0
D. L. Smith	b	19.1	6L
H. C. S.	b	18.9	7R
W. S. S.	b	18.9	10R
2 Red Crown Ad. b	b	19.3	9L
S. H. H. T. d. b	b	18.9	5L
3 Red Ad. b	b	18.3	12L
Crown Ad. b	b	18.6	6L
Red. b	b	18.7	9P
3 White Ad. b	b	18.5	5L
W. S. S.	b	18.6	6L
Finn's	s	18.8	1L
P. J. W. b	b	17.7	4P
Chestnut b	s	16.6	9L
White b	s	18.5	10L
W. G. W. s	s	18.1	1R
John Waller b	b	18.3	5L

Kentucky Fish	B. 231
Perch	17.9 5L
Gill Perch	17.9 11R
Yellowfin	18.1 3R
Spoonbill	17.8 4L
Merry Bass	17.9 8L 2/8
3. Billed Salt	17.3 10.201 2/25
60.00 per	17.2 14.2 0/9
2. my blue and orange tail car	
Perch 2.0	17.2 18.2 1/9
Bluegill	17.1 6L
Bluegill Blue	16.8 8L 1/2
Perch 1.00	6.5 11R 9.100
Yellowtail	12.2 13L
Oliver Rock Salt 2.5	16.7 8L 11.7
Perch 1.00	16.1 13R 1/2
Bluegill	16.1 8L 1/2
Bluegill 1.00	16.1 8L 1/2
Perch 1.00	16.6 3L 2/10
Perch 1.00	16.3 2R 2/9
Bluegill	12.5 17L
Bluegill 1.00	12.2 12L
Perch 1.00	12.2 12L 8/13
W. G. M. 0.9 3.5	6.1 10L 8.100
DB Fresh	6.1 11L 8/13
Wilson's 2.4	15.1 3/12 2/13
Bluegill 1.00	15.1 5L 5.00
Sc. Red Tail 1	15.1 8L
Perch Salt	15.9 9L
Bluegill 1.00 5	15.6 11L 9/12
Bluegill 5	14.9 8L 6/11
Bluegill	15.1 6R 5/11
Bluegill 16.00 each interior 1.00	15.1 8L
Bluegill 1.00	15.1 7L 7/12

C

Phil. 3:12-14. 1 Cor. 10:13.

R. J. Park

2 Bl-faced Curw	6.1	11	PL	12
Black-bellied	6.2	16		
B-gent h	6.1	11		
3/4 Chest Tan	"	"		
OB Gnatcatch	"	"		
2 Chestnut	"	"		
Alley old	5.3	9L		
"	"	"	PK	
2 Alley Gnatb	5.4	10R		
Bl Gnatcatch	5.2	9L		
OB Gnatb	5.2	14R		
Wren	"	"		
Dickcissel h	4.4	7L		
Salt-Wren h	"	"	13	
Brewer's h	4.1	11	11	
3 MN Ls	4.2	8L	11	
Rock Wren	4.3	18L		
Cricket h	"	"	14L	
Bl-faced Phas	"	"	10L	
Bl-blck w	3.8	20L		
Wren Tan h	"	"	7L	
OB Sparrow	"	"	6L	
OB Wren h	"	"	8L	
Ex young	3.4	7L		
"	2.9	2R		
Ex young	1.2	2L		
"	1.1	1R		

Bosque 10

P. (hours)		13 Oct 91	
21	23	15 m	11/2 days
Little Tern	(1)	Sunny Day	655
Green Jay	(1)		
YBRP	(1)	May 91	1
LB Gnatcatcher	(1)	western blue-cats	(1)
Kentucky	(1)	N Cn Whren	(1)
Bent & Baillie (1)		Push Cap Fly	(1)
Longwing Falcon	(1)	G. Sanders	(1)

PKD 24 NE 150m	715
Little Hamlet I	Thomaston (no plan)
Wood Thrush (0)	Ac G Phyc (1)
YBE L 110m	Reddog (1)
Furnaces I	Pvt. Haven (1)
Lower Gunlet (1)	Bondbell (1)
Spadebill (0)	GB Canoe (1)

Pt 25	NE 150m	736
WB w scope (1)	Catbird (1)	
(1) G Thyc (1)	4.150 m	
Little B. Wren (1)	Perch (1)	
7 French Thrush (1)		
7 Fieldlark (1)		

Pt 26	at 15 m	758
long tail Bennett		

6.6. (Lined)	Lesser Scaup
Pt 27 11 Dec (M) 15cm Blue winged teal Lapwing	820 Western Gull Goldfinch
Pt 28 RT And Tern (D) 2 So Br. Wren Dusky flycatcher Legged Tit, Yellow Lapwing (D) Ho. Nighthawk White-tailed Kite (D)	897 Spoonbill Towhee B. Gnatcatcher WR. Old world R. Tern P. Goldfinch
Unkn P. w. Shearwater (D) Red breasted, black eye line	
4 Dec (G) Point Cook Scallop shell (D) (C. standards)	Point Cook Scallop shell C. standards Lapwing Spoonbill

Some drop below 3 inches.

Sp. Yellowish	Yellowish	Clayey
Lighter	Black	Lighter
Rocky	Soil	Rocky
WDS	WDS	WDS
Ex.		CELE
UVB	UVB	UVB
UVB	UVB	UVB
UVB	UVB	UVB

Pt 13	~250m passed cutting on between Cora (alt) scrib	72)
Song	yBC (1) l CIT (1) c/1	
Seine-tail	D	Orop. (1)
Yellow Warl	(1) ♀	yB Cacique (1)
Cirr Hd Wdp	(1)	Bk-nd. alt
Mel Blkbd	(1) (1) D	H Motte (1)
Socat Fly	(1)	Brown H d Par

P+ 14	140m - before Cabo de la Yellow Wall (1)(1)♀	735
143 Blackbr	11	Seaweed
Redsh d	1	200ft + 100ft
Varietl. Seed	1	No 86
170m	1	6700
185 11	1	CB Brown ①

WD 1 R.R. Tern (4)
 Collected from Cull Creek (1)
 10 Brown Jays GB Hill (1)
 Sooty Tern (1)
 Pt 18 - 150m from 17 along 2 track
 855

(2) Agassiz
 Yellow Warbler (1) VCS 1
 Orchard Oriole (1) GB Sparrow (1)
 Scaly-breasted Towhee (1) Spurred Towhee (1)
 BSG 1
 Goldfinch (1) Common Red Fly (1)
 Choc. (1) GTF 1
 Red Back (1) Brown Jay (1)

Pt 19 - follow 2 track ~ 175m
 until path comes off to right.
 Take path ~ 30m to Pt 19.

Killdeer (1) Spurred Towhee (1)
 Sp. Oriole (1) GTF 1
 Rusty-tail Hummer (1) Red Bluebird (1)
 Gt. Sparrow (1) Little Nighthawk (1)
 Yellow Warbler (1) Mourning (1)
 GTF (1) Willets (1)
 YT Oriole (1) Brown Jay (1)

No Least Bell. - Baywood
 - like new house, rabbit
 we are still here

Pt 20 Back on 2 track, passed across
 across Culture Entrance (1)
 Wren (1) banana clump (1)
 Red Bluebird (1) 100' Turkey Vulture (1) WCs (1), 1
 CTF (1) Common Red Fly (1) Young (1)
 Gt. Sparrow (1) 100' under
 Banana tree (1) 20' Wren

Pt 21 Red Breasted Parrot (1) 10'
 Flay - just after bridge
 - blue flag
 - 8m off road from 10
 set up trap

Pt 22 - in next tree posted, inside
 banana clump - Flay
 - 150m
 - 10' away from road
 30' 3m off road inside
 banana clump

Pt 23 - 30m across from end to
 Geiba off to right on
 banana leaf path and
 tree 10'

Pt 24 - bottom of hill off road
 200m left 10m left of path
 along rd to banana

Pt 25 - across two bridges, 20m
 across from 2nd bridge
 Flay on tree 10'
 point ~ 100' away from
 road in banana patch
 spot on patches

Pt 19 - Blow over by wind
in tall 2nd year trees
frustrate. Walk away. Point
spot on Tree (1st B.)
to right. Fly left

Pt 20 - Tractor path veers to
left. Point bone to
first bridge ~ 20m
right of road path. Fly
on path

Pt 21 - Fallen stump w/
lots of vegetation
growing on it. Stump
falls in path. Point
~ 2m away from B.
in Cacao plantation. Ground
Point spot on the left
path & point

Pt 22 - Cacao plantation
Milling 25m apart
from each other ~ 15m
inside plantation:
left spot on 2nd stalk
from root. Fly
on Cacao tree

Pt 23 - go same direction
as last. Point spot on tree.

Pt 24 - Tree stump with
trunk still. Point down
2 meters off path at
stump. Point spot on
tree in uprooted

Pt 25 - in upper tree small
coco shell. Point
down at base of tree
near bridge. Line
up to bridge

Pt 26 10m uproot from last
tree. Point spot on left
right of ridge

Pt 27 10m apart from last
entirely. Point spot on tree
fallen on ground 3m
from ground line

Pt 28 - spot on spout. On path above
but shot down. Fly
up to top of tree & across
from point

P-3 - Right by side of
Dense Rubus on
coffee ground
Right above Ranch
Arches off
Point 15 m above talus

P-4 - 150 m downstream
from P-3. On
bank. Side on
coffee ground

P-5 - 150 m downstream
At edge of field
15 m above

P-6 - 150 m along edge
of field. Near
Luminous rock
15 m up

P-7 - 150 m As bank
in water hole
shrub

P-8 - 150 m To left
of shaded tree stump
Point on side of
valley wall

P-9 - 150 m downstream
In shrub 15 m above
bank. Point
on side along side of road

P-10 - At 150 m
Along road bank
or talus

P-11 - 5735 m at base
of ridge bank

P-12 - ~150 m from point
across at side of
valley bank. 15 m
up in bank. Point
between two large
boulders on talus

P-13 - 30 m above talus
on talus bank
15 m up

17 DEC 2° BOSQUE
PT. 29 150 NW de pt 23

IBFL II

817

L.HERM II

WBWNren (II) 0-3

WBEMFRAID II

C

~~Cloudy, West Wind~~

18 Dec URGING COFFEE			
Buckwheat	b	0.2	IR 108
Lentil	b	0.4	IR 1005
Wheat	b	0.3	IR
Barley	b	0.1	IR
Millet	b	0.1	IR
Wheat	b	1.3	SL 5/10
Millet	b	2.1	SL 5/27
Lentil	b	0.3	SL
Pigeonpea	b	2.2	SL
Black gram	b	2.1	SL
Thick gram	b	2	SL
Tomato	b	5	SL
Mustard	b	4	SL
Gold m mustard	b	4/3	IR
* C. to. Must	b	3.3	IR
(C. S. S. Must)	b	0.6	IR
Squash	b	2.1	SL
Sesame	b	3.5	IR
Sp. Squash	b	1	SL
* C. Mustard	b	3.2	IR
Mustard	b	1.5	IR
* Mustard	b	1.5	IR
Mustard	b	3.2	IR
Mustard	b	3.4	IR
Mustard	b	5.4	SL 20/30
Mustard	b	5.3	SL 17/30
Mustard	b	1.72	IR
Mustard	b	1.72	IR

150 NW PT 29
ON PATH 354

2730, ON PATH 354

GRAN

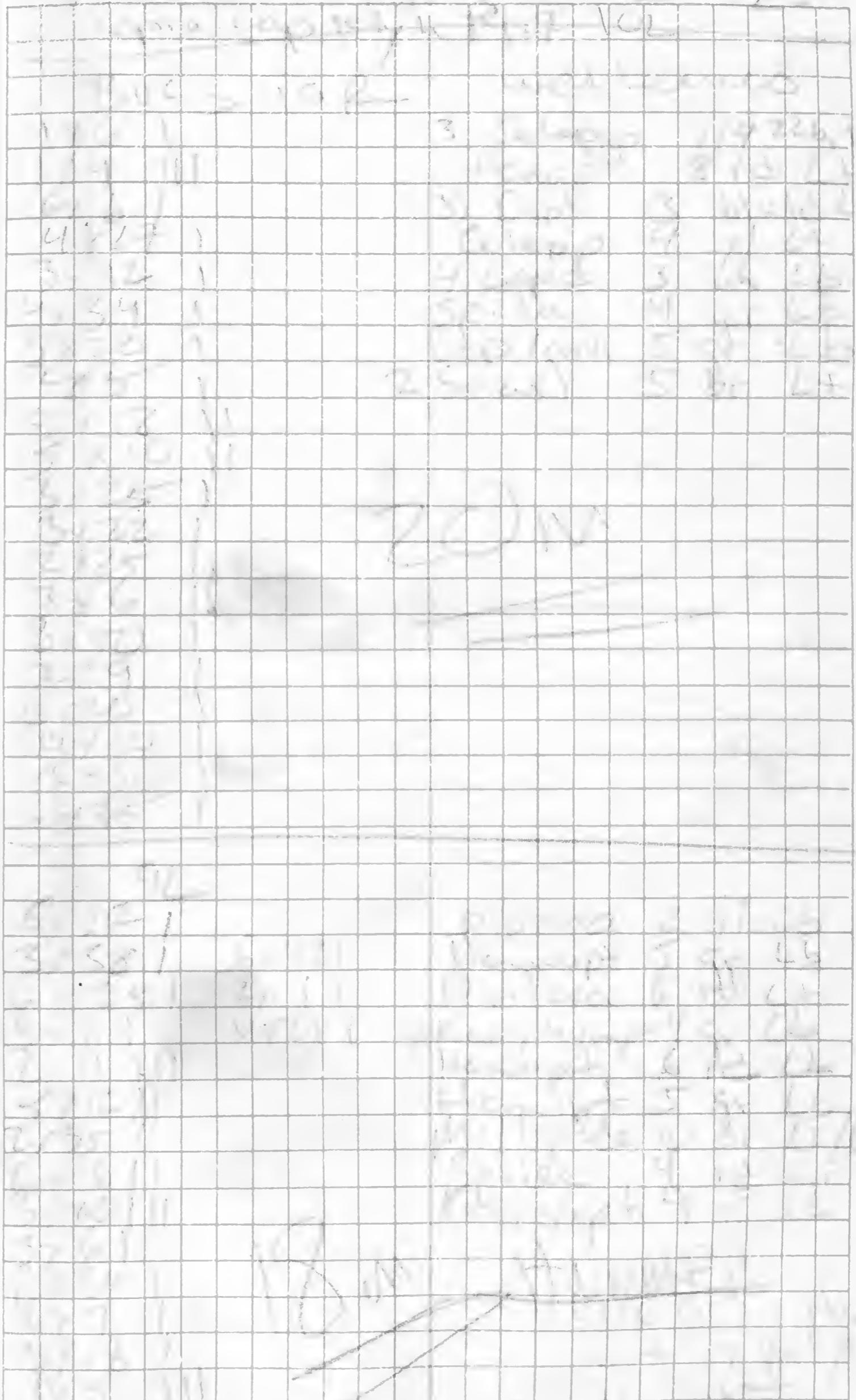
Card 10 D. W. Wm. (1)

142W171 SENT 361

File Manager

Rabbit. Wild. 10/13/19

1	Ed's Pub b	12.8	10L 0P
2	Ed's Pub b	12.5	12L
3	Ed's Pub b	12.3	SL
4	Ed's Pub b	14.2	10R 3P
5	Pewt		
6	Snowball	11.1	12
7	Elizabeth	14.3	7L
8	Alecia	11.6	12L
9	Jade	14.9	11.6P
10	Gwen	14.2	12R
11	Lilac	15.2	2R
12	B. B. b	14.9	4P
13	BT b	15.9	3R
14	Fluffy b	14.0	12
15	Lowell	16.1	12R
16	BT Goldie S	16.8	12 0P
17	Sold Moon S	17.1	3L 3P
18	Kingfisher b	13.3	9
19	Ally	10.2	12
20	Ally	13.2	9P
21	People from way	13.3	11
22	People from way	13.2	11
23	Friends group	17.2	11 1P
24	Friends group	17.3	7L 1P
25	Friends group	19.2	12L
26	Friends group	19.9	12L



On course of river

1996 - 1st mile

1996	1st mile
Cross Country	713
Distance from outlet	"
to	"

Pr. 21

1996 - 1st mile
Cross Country
Distance from outlet
to
Creek
and
Branch
1996 - 1st mile

1996 - 1st mile

PT 1 - 1st mile

Point 1st mile
from outlet
to outlet

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Doris Crowley 1-4-24 Late Fish

for Cultures

January 9, 1924

615-900

27 Fish Mull

Red drum	6.7	2L	6
2 Bel. Fin. Sard.	0.4	9L	
YBL h	0.7	15L	
2 Sp. Sardines	0.1	10L	
GHT h	0.2	18L	
Yellowtail h	0.2	12L	76
UBL h	0.7	3R	2/3
Wh. Anchovy h	1.1	15L	
6.5 Herring	1.2	2R	16
2 Sc. Pompton	1.4	7R	
wt bel & mals	1.1	3R	
6.5 Bluefin m	2.2	9R	Cultures
C. h	1.2	8R	
Blackfish s	2.7	20L	
Gt h	3.1	18L	
Bluefin m	3.1	19L	
WCS h	3.4	10R	
Lanvogue s	4.3	60	
Mackerel h	5.3	20R	
CEP h	6.3	10L	
2 Bluefin m	6.4	16R	
4.00 M. G. S. 4	6.4	20R	5.45
2 Bluefin m	6.4	20R	5.45
2 Bluefin m	6.4	20R	5.45
Tropical fish s	7.3	10L	10.75
F. W.C. S. 7.3	7.3	10L	10.75

Additional Fishes 23 38

Red drum	3.6	9R
Bluefin m	3.6	5L
Mullet h	3.5	7L
Thick lip Herring	3.5	14
Crabs	3.7	5R
3 Red Blackfish	3.7	1R
15.3 G	2.5	9L
3.0 G	2.5	1L
1.5 G	2.5	5L
10.2 G	2.5	4L
10.6 G	2.5	5L
11.1 G	2.5	4L
11.4 G	2.5	4L
11.9 G	2.5	6L
12.2 G	2.5	1L
12.7 G	2.5	1L
13.2 G	2.5	1L
13.3 G	2.5	6L
13.5 G	2.5	4L
14.4 G	2.5	18L
15.4 G	2.5	3L
16.5 G	2.5	13L
17.3 G	2.5	12L
17.5 G	2.5	10L
17.9 G	2.5	11L
18.1 G	2.5	14L
18.5 G	2.5	7L
19.7 G	2.5	7L
20.6 G	2.5	7L
21.6 G	2.5	7L
22.6 G	2.5	7L
23.6 G	2.5	7L

200

1938-1939

10 weeks after delivery

3 years old with 36 kg

Female, P.R. from 70% colo

240kg B.L. Crowley 657

P.L. M. 1 M₂ F₁ G

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22

10 weeks after delivery

2 - 11 M₁ M₂ F₁ F₂ G

3 - 11 M₁ M₂ F₁ F₂ G

4 - 11 M₁ M₂ F₁ F₂ G

5 - 11 M₁ M₂ F₁ F₂ G

6 - 11 M₁ M₂ F₁ F₂ G

7 - 11 M₁ M₂ F₁ F₂ G

8 - 11 M₁ M₂ F₁ F₂ G

9 - 11 M₁ M₂ F₁ F₂ G

10 - 11 M₁ M₂ F₁ F₂ G

11 - 11 M₁ M₂ F₁ F₂ G

12 - 11 M₁ M₂ F₁ F₂ G

13 - 11 M₁ M₂ F₁ F₂ G

14 - 11 M₁ M₂ F₁ F₂ G

15 - 11 M₁ M₂ F₁ F₂ G

16 - 11 M₁ M₂ F₁ F₂ G

17 - 11 M₁ M₂ F₁ F₂ G

18 - 11 M₁ M₂ F₁ F₂ G

19 - 11 M₁ M₂ F₁ F₂ G

20 - 11 M₁ M₂ F₁ F₂ G

21 - 11 M₁ M₂ F₁ F₂ G

22 - 11 M₁ M₂ F₁ F₂ G

23 - 11 M₁ M₂ F₁ F₂ G

24 - 11 M₁ M₂ F₁ F₂ G

Pt 5

PT Min

502

M.

M₂

F.

Fz

2

30sec

10 sec

1' 11" 11111111

1' 11" 11111111

1' 11" 11111111

1' 11" 11111111

1' 11" Rm

Pt 6 in healthy cat under PT Min. 833

M.

M₂

M₃

F.

Fz

2

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3

10 sec

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M.
M₂

F.

T₁

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F₃ 6m

con 1 conto
in 5 min. penne

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B9 100' east of Hwy 91 100' off

M. Mz R. Mz

2

2300ft

1200

1000ft

2200ft

2000ft

1800ft

1600ft

1400ft

1200ft

1000ft

800ft

600ft

400ft

200ft

100ft

50ft

0ft

3

15m

10m

5m

~~Initial Count~~

~~VISITATION SAMPLING SITE'S.~~

Edwards Petree

22 JAN 92

10-9 R

S. 12

8-78 6-5R

65 60

Tg 10

7 5

Ss 43

5 5

Ms 5

2

S2g 5

-

T2g 50

-

Bg 10

8 10

S+Ham 5

5 5

* Cleared 10

8 15

9-8 R

7-6R 4-3

Bg 15

10 3

Sg 20

40 20

Tg 5

10 5

Ss 30

20

Ms 5

5

S2g

-

T2g 10

-

* Cleared 20

10 70

S+H 5

5 2

* Cleared = mix of slash & new start cleared
2-5 g.

5-4 L

5-4 R

50

10

18

5

7

40

5

5

35

12

10

5

3

35

h0 Forest 23 JAN 92 Shrub 708
 n. 21.5 10L 4L 10L
 file May 31.5 12L
 cap March 31.5 9L 7L
 H. 4.6 7L
 2. 1.2 1L
 w. 20.5 10L
 black signs 6.1 10L 7L
 Spp. a cap 1.0 10L 7L
 B. 20.2 11L 7L
 S. 20.1 13L 9L
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Western to white up. See

BC Warbler	17.3	2L	9/14
WS Spadef. LCH	16.8	2L	2/11
Lesser Yellowlet	15.6	1L	
RT Natl Tan &	16.6	1LR	11/3
Wooded n	16.2	1OL	
RT Artic Warbler	"	1SL	
Cr. Bl Sp L	15.8	7L	
WB Warbler	16.1	2OL	
WB Warbler	15.9	1OL	
Wooded n	15.5	1L	7/10
AC Nnn ♀	14.5	6L	2/11
Spizella L	11.2	9L	3/1
Blue Gnatcatcher	14.8	6R	
C SWA Warbler	13.7	1OL	10/1
RT Austin	13.6	2OL	7/11
BC Warbler	13.5	1L	
RT Austin	13.5	1L	10/12
L. W. L.	13.5	1L	
Spizella Warbler	13.1	2SR	
Wood Warbler	11.7	1HR	
W W W W W	3	"	4/12
W W W W W	3	"	5/12
W W W W W	3	"	6/12
W W W W W	3	"	7/12
W W W W W	3	"	8/12
W W W W W	3	"	9/12
W W W W W	3	"	10/12
W W W W W	3	"	11/12
W W W W W	3	"	12/12
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760L 3

Wood Thrush	3
Woodpecker	3
Cowbird	4
Belted	2
Cather	5
Muskrat	1
Pewee	1
Bobolink	1
Prairie	1
Wren	1
Wren-tit	1
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Hymenoptera

Cecidomyiidae

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Polymer
Gelling
655 - 440
Wet
700

$$645 - 440 \\ \text{cent}$$

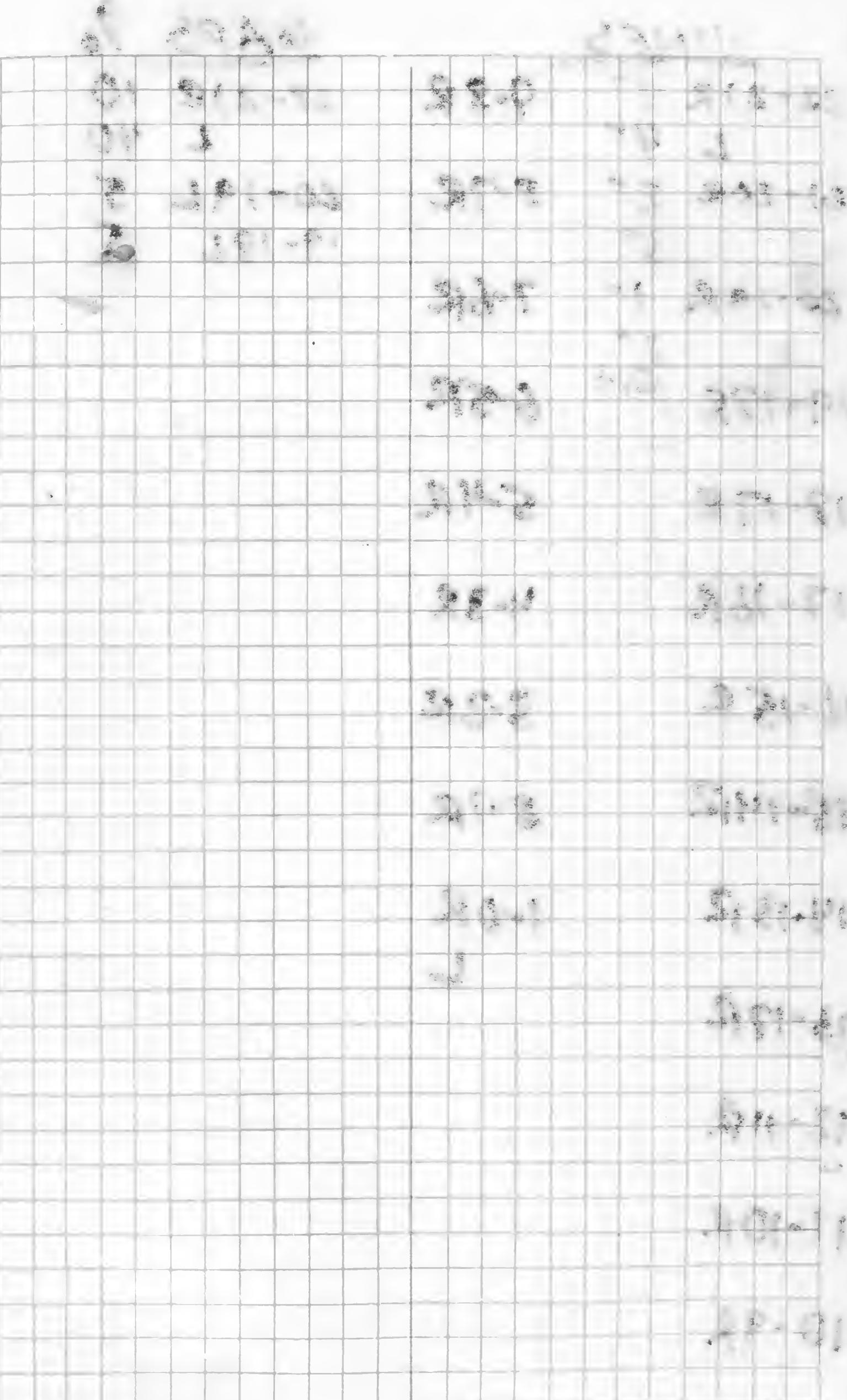
AM 14:18:40 23 JAN

CIT		195.7	11
Cab s		194.1	11
CIT h		" 42	11
Ind. Hatch		19.9	8R
U.S. 6.0?		10	12 3/2
Robot inst		19.1	5R 11
Cab s		10.1	2R
Ex. Lamp? am 3	19.0	12	
Th. 5.5 m. h. 0.5	10.1	12 1/2	
CIT h	18.6	4L	
Cab h	14.7	6R	
Cab h	18.7	10R	
II s	18.6	10L	
2336 L	18.2	10L	
Cab h	17.9	10	
C35.5 s	10.3	10L	1/2
CIT h	10.5	2R	
CIT h	15.8	9R	
Soc. light 3.0	10.1	5L	
Cab h	15.3	6L	
Cab h	15.0	1	
W. 4.0 m. 0.5	11.1	10	
1/2 w. 4.0 m. 0.5	11.1	0.0 1	1/2
Wet sk		8	
1/2 w. 4.0 m. 0.5	10	8	
1/2 w. 4.0 m. 0.5	10.5	12	

Amsterdam

- , 7, 8, 11
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- , 8, 12
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0 . 5 , 7 , 12
+ , 7 , 8 , 13
- , 7 , 9
0 . 5 , 2 , 7 - 9
100 i , 8 , 9

- , 8 , 12 , 13
1 , 3 , 11 , 12
1 , 14 , 15
+ , 8 - 12
105 + , 7 , 12 , 13 115
+ , 8 , 10 - 13
+ , 5 , 8
1 , 3 , 5 , 6 , 9
- , 2 , 6 - 8
110 - , 3 , 7 - 13 120



<u>VINES</u>	<u>GAPS %</u>	
22-21R 4'- L 4'-	9-8R 1' 1'	22-21R 10' L 40
21-20R 2'- 3'	8-7R 1' 1'	20-19L 5' 19-18L 5'
20-19R 1'- 2'	7-6R - - 17-16L	18-17R 15' 25+10 ^{29%}
19-17R 1'+ -	6-5R - - 15-14R	17-16R 10' 10
18-17R 20'- 3'+	5-4R - 1'	13-4R 20'+25 11-10R 15+35
17-16R 2'- 3'+	4-3R - 1'	10-9R 50 10-9L 5
16-15R 1'- -	3-2R - - 1'	9-8R 10+5 9-8L 5
15-14R - 1'	2-1R - 1'	8-7R 25 8-7L 10+15
14-13R - -	1-0R - L -	7-6R 5 25 L 15 25
13-12R - -	GAPS - 2-1L 15+10+10	6-5R - L 10
12-11R 2'- 2'	R 15 - 1-0L 4 50	5-4R 30 L 40
11-10R 1'- 3'	1-0R 60 - L -	4-3R 5+5 35
10-9R 1'- 1'	3-2R - L -	30 L -

By Order -		9 Team
Left to Right - see if has all of 615-100		
Rabbit Hill Forest 31 Oct		
W. Hill		12.9 8L
W. Hill		13.0 7L
W. Hill		13.9 6L
W. Hill		14.7 7L
W. Hill		14.7 20L
Kendrick Creek		15.2 5R Cliff Hawk
B. Shores Canyon		15.3 20R
Black Rock Ranch		15.5 17L
P. Hill Green		15.9 3R 16/16
Upper Grindstone		15.9 15R 14/18
Orange Soil Sp.		15.5 79L
Mesa		15.5 12L
Pike		17.2 7L 9/19
R. P. Mountain		17.1 8L
W. Mesa		16.7 16R 5/15
B. Mesa		17.5 14L
P. Mesa		16.8 0.0 17.5
Z. B. Hill		16.8 7R 7/15
Z. G. C. Hill		16.8 18L
Z. G. C. Hill Canyon		16.6 17L 3/18
Lower Green Cr. H.		16.4 13L 4/20
Lower Green Mountain		15.1 10L 4/26
Y. B. Hill		16.5 16R 5/17
J. Hill		16.2 10R
Jacana		16.5 15L
Z. B. Hill		16.3 9L 1/12
C. Hill		16.5 8L 7/13
P. Hill		15.4 7L 2/12
Lower Green H.		15.5 18L 7/26
G. B. Green		15.9 10L
G. C. Waller		15.2 8L
Green J. Cr.		15.1 17L
W. Hill		15.4 16L
W. Hill		14.7 3R 8/22
Scout Cr. E. H.		17.2 6R 5/12
S. Hill		17.1 14L
Kerry Cr. H.		17.2 16L
Buried Hill H.		17.2 6L

Chestnut	13.7	IL	
Polyphemus h	12.9	12	16/22
S. Ch. Sparrowhawk	12.3	TR	3/20
Common Gull	9.8	IL	21/20
Mallard h	11.3	IL	3/15
Brewster's S	12.1	31	21/22
Wood Thrush h	11.3	10R	0/gap
Mallard h	10.5	9L	
Dickcissel h	10.7	10L	
2. Spotted Towhee h	10	8L	
Green St. Vireo S	23		
Painted Bunting h	9.7	11L	
Yellow Vireo h	10.2	10L	1/25
Green Kingbird h			
Rock Wren h			
Blue Grosbeak h	12		
1BTL	8		
WB Emerald S	9.8	4L	2/3
Red. Finsbl	9.7	1L	
W. T. Robin h	9.1	10L	
2 Chestnut. Chpt	9	7	25/26
L.T. Hermit h	9.3	9L	
WB Wren h	9.3	13L	
Scar. Cap Fly h	0.8	12L	
3. Vireo S	8.7	11L	8/27
Wood Thrush h	8.7	17L	
WB Wren h	8.6	17L	

SC. Vireo	8.4	10L
W. Vireo	8.3	20L
2. Vireo	8.3	16R
2 Red-sh. Gnatcatcher h	8.6	2L
4. Vireo	7.8	3L 9L
Ten. Crested	7.5	2L
Stella	7.5	10/12
Baseball	6.7	12 2/10
2 Bl. Gnatcatcher h	6.4	13L
BT. Ant-Tanager	5.2	10/2
Can. Tanager	5.2	12L
B. Saltator	5.2	15R
Passerine	3.9	5L
AC. Wren	3.3	10R
W. Thrush	3.5	11L
WB. Screech	3.4	7L
2. Vireo	0.9	20G
2. Vireo	0.9	15L
1. Vireo	0.9	5L 7L
AC. Mockingbird	0.9	19R
BT. Sh. Tanager	0.8	13L
BT. Chestnut-sided W.	0.8	20/24
Z. Gnatcatcher	1.3	10L 4L
BU. GE S	1.2	
4x2M		
5x16		
6x20		
1/3		
5x9		
3x9		
4x12		
3x15		
4x16		
2x6		
3x7		
5x16		
1/4		
Spicer		
V.		
U. King		
F.		
9x16		

36.00 m. above 22

Dark grey sand 3.2 96 1/2

& Red brownish 3.1 11 1/2

Sandy Brownish 3.0 11 1/2

Call a resonant low rapid

chee-chee-chee chee chee

call note a higher slight squeak

sometimes includes former call

Red rock 6

Red rock 6

Red rock 3

Red rock 3

Red rock 1

Unlabeled 4.0 m. above 2.

Dark grey sand 13 96 1/2

Red brownish 13 96 1/2

MERRY CHRISTMAS

POL N - 30 sec

N₂ 4.5

P 3 M - 420 sec

P 4 T 2:30

POL P - 25

NO M₂ 4.5 sec

3

5

AND

17

F 5 40

NO M 5.55

Sec by 45 sec

Sec

M 3 - 5 sec

M 2 45 sec

Look up saying at the Col. Wm. in C.R.

Selvaginsla

hot mossy fern
- foliage

Brut parrot 26 sec, 1 bed 9-150

ISLAND 20255 29 JAN

(SS 940 (Rankeleip) cloudy

1000 ft 0.9 130 Gmp

2 sp. in vine 0.4 130

4 euphorbia 0.2 RR 30/15

1 sp. in vine 0.2 130

1 dianthus 0.3 RR 19/10

1 sp. in vine 0.3 RR 17/2

10 sp. in vine 1.1 RR 16/8

1 sp. in vine 1 RR 10/8

1 sp. in vine 1.3 12/2

1 sp. in vine 1.7 13/0 15/0

1 sp. in vine 1.4 16/2 17/0

1 sp. in vine 1.4 11/6 13/0

1 sp. in vine 1.9 11/2 17/5 15/0

1 sp. in vine 1.8 10/6 14/2 16/0

1 sp. in vine 1.7 11/2 14/2 16/0

1 sp. in vine 1.3 11/2 14/2 16/0

1 sp. in vine 1.2 11/2 14/2 16/0

1 sp. in vine 1.1 11/2 14/2 16/0

1 sp. in vine 1.0 11/2 14/2 16/0

1 sp. in vine 0.9 11/2 14/2 16/0

1 sp. in vine 0.8 11/2 14/2 16/0

1 sp. in vine 0.7 11/2 14/2 16/0

1 sp. in vine 0.6 11/2 14/2 16/0

1 sp. in vine 0.5 11/2 14/2 16/0

1 sp. in vine 0.4 11/2 14/2 16/0

1 sp. in vine 0.3 11/2 14/2 16/0

1 sp. in vine 0.2 11/2 14/2 16/0

1 sp. in vine 0.1 11/2 14/2 16/0

1 sp. in vine 0.0 11/2 14/2 16/0

</div

WB Broadbill	4.6	life		
WB Scopula	4.7	1SP		
WB Whistler	4.8	13L	600	
WEC	5.7	18R		
Ring-necked Pigeon	5.8	1SP	2/25	
Redtail Hawk	6.4	12R		
Rock Dove	6.5	12R		
Red-capped Pigeon	7.2	12R		
Bright-faced Finch	7.3	5L	day	
Common Starling	9.1	5L		
PC Kingfisher	9.1	4L		
Catbird	9.1	5L	4	
Silvereye	9.1	8L		
Blue-faced Honeyeater	9.6	13P	9/2	
Red-capped Robin	10.1	18L		
Brindled Honeyeater	10.2	13R	in	
Magnificent	9.9	20R		
Spotted Flycatcher	10.0	9L		
KC Chestnut	10.9	16		
Flame Robin	11.3	15L	3/1	
White-throated Robin	12.3	2L		
Brown-faced Finch	13.4	20L		
WB Wren	13.5	1L		
Streak-eared	13.7	20R		
Red-bellied Firetail	14.6	15		
BT5n Tanager	15.0	1L		

1	Black-headed Grosbeak	11.5	10.1
2	Brewer's M.	11.5	10.2
3	Green-tailed T.	12.5	11.2
4	Yellow-sh. Vireo	12.5	11.6
5	Red-headed V.	12.3	11.4
6	Red-bellied W.	12.9	11.6
7	Blue-gray G.	12.4	11.2
8	Hermit Warbler	12.4	11.2
9	Vermilion Flycatcher	13.5	12.2
10	White-throated Swift	13.3	12.1
11	Red-tailed Hawk	14.2	12.0
12	Swallow-tailed K.	15.1	13.1
13	Common Nighthawk	16.2	13.2
14	White-tailed K.	16.5	13.1
15	Scissor-tailed Flycatcher	16.5	13.1
16	Blue Grosbeak	16.5	13.1
17	Blue-gray G.	16.4	13.6
18	Red-tailed Hawk	16.2	13.2
19	Blue-headed V.	16.2	13.2
20	Forsters T.	16.5	13.2
21	Common Nighthawk	16.5	13.1
22	Common Grackle	17.0	14.1
23	Red-tailed Hawk	17.2	14.2
24	Blue Grosbeak	17.2	14.2
25	Blue-gray G.	17.2	14.2
26	Red-tailed Hawk	17.2	14.2
27	Common Nighthawk	17.2	14.2
28	Blue-headed V.	17.2	14.2
29	Forsters T.	17.2	14.2
30	Common Nighthawk	17.2	14.2
31	Blue Grosbeak	17.2	14.2
32	Blue-gray G.	17.2	14.2
33	Red-tailed Hawk	17.2	14.2
34	Common Nighthawk	17.2	14.2
35	Blue-headed V.	17.2	14.2
36	Forsters T.	17.2	14.2
37	Common Nighthawk	17.2	14.2
38	Blue Grosbeak	17.2	14.2
39	Blue-gray G.	17.2	14.2
40	Red-tailed Hawk	17.2	14.2
41	Common Nighthawk	17.2	14.2
42	Blue-headed V.	17.2	14.2
43	Forsters T.	17.2	14.2
44	Common Nighthawk	17.2	14.2
45	Blue Grosbeak	17.2	14.2
46	Blue-gray G.	17.2	14.2
47	Red-tailed Hawk	17.2	14.2
48	Common Nighthawk	17.2	14.2
49	Blue-headed V.	17.2	14.2
50	Forsters T.	17.2	14.2
51	Common Nighthawk	17.2	14.2
52	Blue Grosbeak	17.2	14.2
53	Blue-gray G.	17.2	14.2
54	Red-tailed Hawk	17.2	14.2
55	Common Nighthawk	17.2	14.2
56	Blue-headed V.	17.2	14.2
57	Forsters T.	17.2	14.2
58	Common Nighthawk	17.2	14.2
59	Blue Grosbeak	17.2	14.2
60	Blue-gray G.	17.2	14.2
61	Red-tailed Hawk	17.2	14.2
62	Common Nighthawk	17.2	14.2
63	Blue-headed V.	17.2	14.2
64	Forsters T.	17.2	14.2
65	Common Nighthawk	17.2	14.2
66	Blue Grosbeak	17.2	14.2
67	Blue-gray G.	17.2	14.2
68	Red-tailed Hawk	17.2	14.2
69	Common Nighthawk	17.2	14.2
70	Blue-headed V.	17.2	14.2
71	Forsters T.	17.2	14.2
72	Common Nighthawk	17.2	14.2
73	Blue Grosbeak	17.2	14.2
74	Blue-gray G.	17.2	14.2
75	Red-tailed Hawk	17.2	14.2
76	Common Nighthawk	17.2	14.2
77	Blue-headed V.	17.2	14.2
78	Forsters T.	17.2	14.2
79	Common Nighthawk	17.2	14.2
80	Blue Grosbeak	17.2	14.2
81	Blue-gray G.	17.2	14.2
82	Red-tailed Hawk	17.2	14.2
83	Common Nighthawk	17.2	14.2
84	Blue-headed V.	17.2	14.2
85	Forsters T.	17.2	14.2
86	Common Nighthawk	17.2	14.2
87	Blue Grosbeak	17.2	14.2
88	Blue-gray G.	17.2	14.2
89	Red-tailed Hawk	17.2	14.2
90	Common Nighthawk	17.2	14.2
91	Blue-headed V.	17.2	14.2
92	Forsters T.	17.2	14.2
93	Common Nighthawk	17.2	14.2
94	Blue Grosbeak	17.2	14.2
95	Blue-gray G.	17.2	14.2
96	Red-tailed Hawk	17.2	14.2
97	Common Nighthawk	17.2	14.2
98	Blue-headed V.	17.2	14.2
99	Forsters T.	17.2	14.2
100	Common Nighthawk	17.2	14.2
101	Blue Grosbeak	17.2	14.2
102	Blue-gray G.	17.2	14.2
103	Red-tailed Hawk	17.2	14.2
104	Common Nighthawk	17.2	14.2
105	Blue-headed V.	17.2	14.2
106	Forsters T.	17.2	14.2
107	Common Nighthawk	17.2	14.2
108	Blue Grosbeak	17.2	14.2
109	Blue-gray G.	17.2	14.2
110	Red-tailed Hawk	17.2	14.2
111	Common Nighthawk	17.2	14.2
112	Blue-headed V.	17.2	14.2
113	Forsters T.	17.2	14.2
114	Common Nighthawk	17.2	14.2
115	Blue Grosbeak	17.2	14.2
116	Blue-gray G.	17.2	14.2
117	Red-tailed Hawk	17.2	14.2
118	Common Nighthawk	17.2	14.2
119	Blue-headed V.	17.2	14.2
120	Forsters T.	17.2	14.2
121	Common Nighthawk	17.2	14.2
122	Blue Grosbeak	17.2	14.2
123	Blue-gray G.	17.2	14.2
124	Red-tailed Hawk	17.2	14.2
125	Common Nighthawk	17.2	14.2
126	Blue-headed V.	17.2	14.2
127	Forsters T.	17.2	14.2
128	Common Nighthawk	17.2	14.2
129	Blue Grosbeak	17.2	14.2
130	Blue-gray G.	17.2	14.2
131	Red-tailed Hawk	17.2	14.2
132	Common Nighthawk	17.2	14.2
133	Blue-headed V.	17.2	14.2
134	Forsters T.	17.2	14.2
135	Common Nighthawk	17.2	14.2
136	Blue Grosbeak	17.2	14.2
137	Blue-gray G.	17.2	14.2
138	Red-tailed Hawk	17.2	14.2
139	Common Nighthawk	17.2	14.2
140	Blue-headed V.	17.2	14.2
141	Forsters T.	17.2	14.2
142	Common Nighthawk	17.2	14.2
143	Blue Grosbeak	17.2	14.2
144	Blue-gray G.	17.2	14.2
145	Red-tailed Hawk	17.2	14.2
146	Common Nighthawk	17.2	14.2
147	Blue-headed V.	17.2	14.2
148	Forsters T.	17.2	14.2
149	Common Nighthawk	17.2	14.2
150	Blue Grosbeak	17.2	14.2
151	Blue-gray G.	17.2	14.2
152	Red-tailed Hawk	17.2	14.2
153	Common Nighthawk	17.2	14.2
154	Blue-headed V.	17.2	14.2
155	Forsters T.	17.2	14.2
156	Common Nighthawk	17.2	14.2
157	Blue Grosbeak	17.2	14.2
158	Blue-gray G.	17.2	14.2
159	Red-tailed Hawk	17.2	14.2
160	Common Nighthawk	17.2	14.2
161	Blue-headed V.	17.2	14.2
162	Forsters T.	17.2	14.2
163	Common Nighthawk	17.2	14.2
164	Blue Grosbeak	17.2	14.2
165	Blue-gray G.	17.2	14.2
166	Red-tailed Hawk	17.2	14.2
167	Common Nighthawk	17.2	14.2
168	Blue-headed V.	17.2	14.2
169	Forsters T.	17.2	14.2
170	Common Nighthawk	17.2	14.2
171	Blue Grosbeak	17.2	14.2
172	Blue-gray G.	17.2	14.2
173	Red-tailed Hawk	17.2	14.2
174	Common Nighthawk	17.2	14.2
175	Blue-headed V.	17.2	14.2
176	Forsters T.	17.2	14.2
177	Common Nighthawk	17.2	14.2
178	Blue Grosbeak	17.2	14.2
179	Blue-gray G.	17.2	14.2
180	Red-tailed Hawk	17.2	14.2
181	Common Nighthawk	17.2	14.2
182	Blue-headed V.	17.2	14.2
183	Forsters T.	17.2	14.2
184	Common Nighthawk	17.2	14.2
185	Blue Grosbeak	17.2	14.2
186	Blue-gray G.	17.2	14.2
187	Red-tailed Hawk	17.2	14.2
188	Common Nighthawk	17.2	14.2
189	Blue-headed V.	17.2	14.2
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194	Red-tailed Hawk	17.2	14.2
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214	Blue-gray G.	17.2	14.2
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224	Blue-headed V.	17.2	14.2
225	Forsters T.	17.2	14.2
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230	Common Nighthawk	17.2	14.2
231	Blue-headed V.	17.2	14.2
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233	Common Nighthawk	17.2	14.2
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238	Blue-headed V.	17.2	14.2
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245	Blue-headed V.	17.2	14.2
246	Forsters T.	17.2	14.2
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251	Common Nighthawk	17.2	14.2
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255	Blue Grosbeak	17.2	14.2
256	Blue-gray G.	17.2	14.2
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258	Common Nighthawk	17.2	14.2
259	Blue-headed V.	17.2	14.2
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261	Common Nighthawk	17.2	14.2
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263	Blue-gray G.	17.2	14.2
264	Red-tailed Hawk	17.2	14.2
265	Common Nighthawk	17.2	14.2
266	Blue-headed V.	17.2	14.2
267	Forsters T.	17.2	14.2
268	Common Nighthawk	17.2	14.2
269	Blue Grosbeak	17.2	14.2
270	Blue-gray G.	17.2	14.2
271	Red-tailed Hawk	17.2	14.2
272	Common Nighthawk	17.2	14.2
273	Blue-headed V.	17.2	14.2
274	Forsters T.	17.2	14.2
275	Common Nighthawk	17.2	14.2
276			

Young man's first seen

Brown Fox	♂	GR	1725
Blurred Titmouse	♀	GR	1718
Blue Tit	♂	GR	151
Banded Kingbird	♂	GR	1012
R.B. Sparrowhawk	♂	GR	16
Unicolor Wren	♂	GR	101
Yellow Warbler	♂	GR	111
GB Gnatcatcher	♂	GR	3/2 June 2000
2001 Goldfinch	♂	GR	2/3/2001
Waxwing	♂	GR	21
Lightfoot Lark	♂	GR	0-6
2001		GR	1-2
House Wren	♂	GR	136
GB Gnatcatcher	♂	GR	9+
Waxwing	♂	GR	201
Pedestrian	♂	GR	7/2
Anteater	♂	GR	32
2001 Bluebird	♂	GR	10/5
Bluebird	♂	GR	11/2
2001 Pardalote	♂	GR	2/1/2001
Tropical Kingbird	♂	GR	1/2
2001 White-throated Swift	♂	GR	202
2001 English Sparrow	♂	GR	161
Shrike	♂	GR	2002
Greater Scaup	♂	GR	10/2
Common Loon	♂	GR	20/1/2001
Common Moorhen	♂	GR	7/8
Common Tern	♂	GR	1312
Red-throated Gull	♂	GR	24/1/2001
Common Moorhen	♂	GR	"
Brewer's Blackbird	♂	GR	13/1/2001
Blue Grosbeak	♂	GR	141
Spoonbill	♂	GR	131
Blue Jay	♂	GR	10/2
Red-tailed Hawk	♂	GR	101
Red-tailed Hawk	♂	GR	101
Linnet	♂	GR	12

Bibbavans 16.4 1R 4/9

LT Hamptons 15.5 2L

AT Hamptons 16.1 3L

AT Circle L 16.1 20R

Woodlawn 16.2 5L

2B+ Calt 16.2 1L 8'2

S Rum Tan 16.3 2L 8'

Widewards 16.3 9L 6

YD Pyc 16.1 4R 7

Redwings 16.2 2R 6 11

Gravelly 16.5 4R 1

Hamptons 16.4 3L

Hamptons 16.4 2R 7 11

2B Salton 16.4 15L

Y. Hamptons 16.1 16R

2B Hamptons 16.3 7L

BB Hamptons 16.6 3L

LT Hamptons 17.1 1L 3 1/2

Widewards 17.5 2R

2D Hamptons 17.7 2R 9/11

2S Hamptons 17.2 2L 9/11

1S Hamptons 17.9 1L

Headsat 17.3 2R 8/11

2D Hamptons 17.3 1L 7/11

Headsat 17.2 1R

Headsat 17.6 2R 4/9

Headsat 17.6 1L 6

16.5 Hamptons 16.6 1R

16.5 Hamptons 16.7 3L

Hamptons 16.6 1R 5/18

16.5 Hamptons 16.8 4L

Headsat 16.9 1R 1/2

Headsat 16.8 1R 1/2

Headsat 16.7 1R 1/2

Headsat 16.6 1R 1/2

Headsat 16.5 1R 1/2

Headsat 16.4 1R 1/2

Headsat 16.3 1R 1/2

Headsat 16.2 1R 1/2

Headsat 16.1 1R 1/2

Headsat 16.0 1R 1/2

Headsat 15.9 1R 1/2

Headsat 15.8 1R 1/2

Headsat 15.7 1R 1/2

Headsat 15.6 1R 1/2

Headsat 15.5 1R 1/2

Headsat 15.4 1R 1/2

Headsat 15.3 1R 1/2

Headsat 15.2 1R 1/2

Headsat 15.1 1R 1/2

Headsat 15.0 1R 1/2

Headsat 14.9 1R 1/2

Headsat 14.8 1R 1/2

Headsat 14.7 1R 1/2

Headsat 14.6 1R 1/2

Headsat 14.5 1R 1/2

Headsat 14.4 1R 1/2

Headsat 14.3 1R 1/2

Headsat 14.2 1R 1/2

Headsat 14.1 1R 1/2

Headsat 14.0 1R 1/2

Headsat 13.9 1R 1/2

Headsat 13.8 1R 1/2

Headsat 13.7 1R 1/2

Headsat 13.6 1R 1/2

Headsat 13.5 1R 1/2

Headsat 13.4 1R 1/2

Headsat 13.3 1R 1/2

Headsat 13.2 1R 1/2

Headsat 13.1 1R 1/2

Headsat 13.0 1R 1/2

Headsat 12.9 1R 1/2

Headsat 12.8 1R 1/2

Headsat 12.7 1R 1/2

Headsat 12.6 1R 1/2

Headsat 12.5 1R 1/2

Headsat 12.4 1R 1/2

Headsat 12.3 1R 1/2

Headsat 12.2 1R 1/2

Headsat 12.1 1R 1/2

Headsat 12.0 1R 1/2

Headsat 11.9 1R 1/2

Headsat 11.8 1R 1/2

Headsat 11.7 1R 1/2

Headsat 11.6 1R 1/2

Headsat 11.5 1R 1/2

Headsat 11.4 1R 1/2

Headsat 11.3 1R 1/2

Headsat 11.2 1R 1/2

Headsat 11.1 1R 1/2

Headsat 11.0 1R 1/2

Headsat 10.9 1R 1/2

Headsat 10.8 1R 1/2

Headsat 10.7 1R 1/2

Headsat 10.6 1R 1/2

Headsat 10.5 1R 1/2

Headsat 10.4 1R 1/2

Headsat 10.3 1R 1/2

Headsat 10.2 1R 1/2

Headsat 10.1 1R 1/2

Headsat 10.0 1R 1/2

Headsat 9.9 1R 1/2

Headsat 9.8 1R 1/2

Headsat 9.7 1R 1/2

Headsat 9.6 1R 1/2

Headsat 9.5 1R 1/2

Headsat 9.4 1R 1/2

Headsat 9.3 1R 1/2

Headsat 9.2 1R 1/2

Headsat 9.1 1R 1/2

Headsat 9.0 1R 1/2

Headsat 8.9 1R 1/2

Headsat 8.8 1R 1/2

Headsat 8.7 1R 1/2

Headsat 8.6 1R 1/2

Headsat 8.5 1R 1/2

Headsat 8.4 1R 1/2

Headsat 8.3 1R 1/2

Headsat 8.2 1R 1/2

Headsat 8.1 1R 1/2

Headsat 8.0 1R 1/2

Headsat 7.9 1R 1/2

Headsat 7.8 1R 1/2

Headsat 7.7 1R 1/2

Headsat 7.6 1R 1/2

Headsat 7.5 1R 1/2

Headsat 7.4 1R 1/2

Headsat 7.3 1R 1/2

Headsat 7.2 1R 1/2

Headsat 7.1 1R 1/2

Headsat 7.0 1R 1/2

Headsat 6.9 1R 1/2

Headsat 6.8 1R 1/2

Headsat 6.7 1R 1/2

Headsat 6.6 1R 1/2

Headsat 6.5 1R 1/2

Headsat 6.4 1R 1/2

Headsat 6.3 1R 1/2

Headsat 6.2 1R 1/2

Headsat 6.1 1R 1/2

Headsat 6.0 1R 1/2

Headsat 5.9 1R 1/2

Headsat 5.8 1R 1/2

Headsat 5.7 1R 1/2

Headsat 5.6 1R 1/2

Headsat 5.5 1R 1/2

Headsat 5.4 1R 1/2

Headsat 5.3 1R 1/2

Headsat 5.2 1R 1/2

Headsat 5.1 1R 1/2

Headsat 5.0 1R 1/2

Headsat 4.9 1R 1/2

Headsat 4.8 1R 1/2

Headsat 4.7 1R 1/2

Headsat 4.6 1R 1/2

Headsat 4.5 1R 1/2

Headsat 4.4 1R 1/2

Headsat 4.3 1R 1/2

Headsat 4.2 1R 1/2

CTF 8/2 120
 No Black Finch 91 10L
 CT SP 96 4R
 Grukper 92 12R 14/20
 ZWCD 109 10L
 So. Rose Warb 102 17R
 Magg 98 109 6L 3/5
 ZWCD 52 115 2L
 2BBG 5
 CTF 116 4R
 Thunberg 112 5L
 CTF 116 8L
 CTF 116 8L
 2Sonal Thc
 Yellow W 100
 1. Glaucon 1921 17/23
 2. fr. 1/4
 3. Bl. & purple
 4. and blue a few
 2 Park Hill Hompt at gr 1L
 2 Lyk Hill " 5 " per stem
 6x221 7m Spica 3 bl. air
 5x251 5 foliat 2 bl. bl.
 5/20/11 Spica 2 bl. 1L
 3/61
 4/61

	Early	8
Gr CTF	6	
Sp. CTF	1	
Yellow	1	
CSPW	1	
Magenta	9	
1BBG	2	
LEP	7	
Podex	1	
Red	1	
Yellow W	2	
YBLL	1	
No. Water	1	
Yellow R	1	
	93	
		Reg/Rec
		0/1
		5/2
		Colours
		1/1

1/13 1/20
 1/13 1/20

70° - 100°

Yates STAR

Barrow	19.9	61	
West Greenland	19.6	701	
Mitivik	19.9	21	
Qikiqtaaluk	19.5	21	
Upernivik	19.1	81	
Upernivik	19.5	101	
Mitivik	17.9	201	
Mitivik	18.5	20	
Baffin Island	18.7	96	
Upernivik	18.8	10	
Upernivik	19.1	158	
Credit Bay	17.9	11	
Wager Bay	18.2	11	
Credit Bay	18.0	9	
Upernivik	17.8	112	
Credit Bay	17.3	21	90
Credit Bay	16.8	151	
Credit Bay	16.7	76	
Credit Bay	17.3	71	
Credit Bay	16.9	61	
Credit Bay	16.5	21	
Credit Bay	16.4	71	
Upernivik	16.6	11	113
Credit Bay	16.3	168	110

1920-21

C

Polymer Supplied

7 May 1984 Recovery off Laramie

General

KD

	76	80	28
Cedars	75	72	28
W. Cedar	15	102	21 29
Red Cedar	71	76	20 16
Red Cedar	57	72	20 16
Blk Cedar	62	48	
Cedar	54	72	21 15
W. Cedar	54	136	12/32
W. Cedar	53	92	21 15
W. Cedar	29	28	122
W. Cedar	26	202	
W. Cedar	25	161	
W. Cedar	26	122	
Mossy	27	162	
Cloudy	23	72	
Red Cedar	18	52	
Cedar	21	166	8/25
Sandpaper	"	"	"
Sequoia Ply	19	21	
Timber	18	91	6 1/2
W. Cedar	16	82	
W. Cedar	18	142	112
W. Cedar	"	"	"
W. Cedar	18	22	112
W. Cedar	13	32	19 13

W. Cedar

	12	9	102
2 1/2" x 6" x 6"	6 1/2	9 1/2	
W. CEDAR	6 1/2 13	7 10	11 1/2
Cedar	19 5	5	
Gulf	19 9	102	Durable
Platina	11 2	202	9 10 9 20
Concord	19 5	9 1	8 10 9 20
Sassafras	19 9	19 6	4 1/2
White Oak	19 6	7 1	1 1/2 Durable
Yellow Cedar	10 3	18 1	5 1/2
Red Cedar	18 9	9 1/2	10 1/2 10 1/2
Frontaline	12 4	7 2	9 1/2 10 1/2
Maple	13 4	12	
Cedar	11 9	1	
Clayton	17 9	132	1 1/2
W. Cedar	17 9	18 1	
S. Cedar	17 4	7 2	
Variable	17 3	1	
W. Cedar	"	202	
1 1/2" x 6" x 6"	17 3	121	
2 1/2" x 6" x 6"	17 3	202	
Variable Cedar	17 3	202	
Yellow Cedar	16 4	132	
1 1/2" x 6" x 6"	16 5	32	
2 1/2" x 6" x 6"	16 2	32	
W. Cedar	15 8	7 1/2	
Baltic Salt	14 5	32	10 1/2 10 1/2
Ridge	11 7	1	
Cedar	11 2	102	
8 1/2" x 6"	14 1	16	
4" x 6" x 6"	13 5	17	
3" x 6" x 6"	14 1	202 6 10 1/2	
10 1/2" x 6" x 6"	13 9	1	
10 1/2" x 6" x 6"	13 8	32	
10 1/2" x 6" x 6"	13 9	162	
W. Cedar	12 2	102	
W. Cedar	13 2	9 1/2	
W. Cedar	13 6	102	

C

OT	W	L	R
White-tailed Kite	14	20	76
Red-tail S.	8	57	16
GB Kite	3	42	16
Red-tail S.	10.1	42	
Black Cuckoo	12	31	16
White-tail S.	12	302	
Red-tail S.	11.1	216	
Common Kite	11.3	112	
OT	6	10.1	12
OT in Red	99	111	
Zulu S.	9.6	32	
Malabar Kite	9.1	96	16
W. Sparrowhawk	8.6	102	
Scalped Kite	8.6	82	
Red Shrike	8.3	122	44
White-tail S.	5.8	202	
Common Kite	5.8	112	
OT in W.	45	62	
OT in R.	"	192	
Bald Kite	3.8	21	
White-tail S.	2.8	72	
White-tail S.	4.3	152	
Red-tail S.	1.9	81	
Little Shrike	1.8	32	
Red-tail S.	1.4	62	
Lesser Kite	0.9	152	616

Cloudy, cool

Minimes Habitat - Call + Pictures

EMP PLAYBACKS 7/18/86 650

P.T. Mm. P+1

M. M₂

2

3 1:00pm
dttt ht
htt mmt
stop

4
htt 407
htt ht ht
htt ht ht
150 mmt
most similar
sound
mmt stop
P1 2 PLAV 705

2 ht

3 245
3ht
2
htt ht ht
4ht
5+ ht ht
htt ht ht stop

Bentotha in open habitat

P+3 PT MN

720

2 m. m.

m3

3 0:10
dttt ht
htt ht ht
htt ht ht
10x110 t
stop

4 10:05
10:10

5 15 D
25 N

P+4 PLAV 735 NADA
P+5 PT MN 735

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PLAVER

3 125 245
15 x
5+ 10
10:00

5 245
htt ht ht
htt ht ht
htt ht ht

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P+6 PT FLAV

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5 H124 345

111

87 PT MIN

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13^w

H10 0:10

HCHH1000

H1005555

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13^w

P28 PT FLAV 335 NADA

P9 m PT MIN 850

12

PT FLAV

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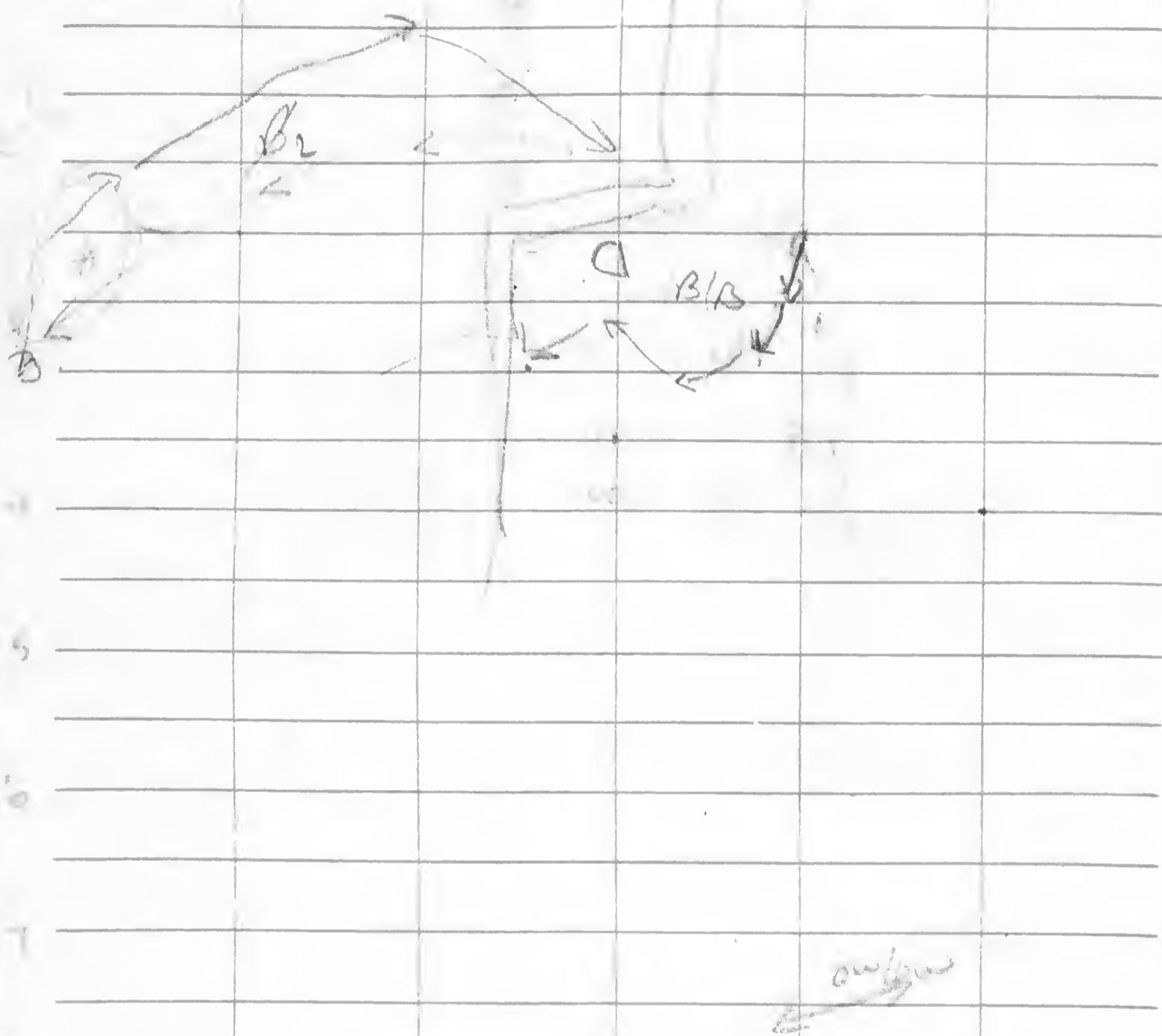
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13-28

for Caw's Ed Parker
Avery cool (Brent Marlin)

H E A E S T R A



B. Hilfe suchte

properly

Yours etc

1880-1881

1000

Fig. 1. A photograph of the same area as Fig. 1, but taken at a later date.

100

W. C. A.

expedit
to

Pt. 2 60%
100%

631

A faint, large watermark or background drawing on graph paper. It features a central figure, possibly a deity, surrounded by various symbols and text. The text includes "Jewel" at the top, "Goddess" in the center, "Yogini" on the right, "Kali" on the left, "Mata" at the bottom left, and "Om" at the bottom right. There are also intricate patterns and geometric shapes like triangles and circles.

29 45

卷之三

123 23%

10

He was washed off
the bridge by the tide
and was washed up
on the beach.

P. 5	as to	about 750
No older than	that and later	
After 1920	earlier	12
1930s	that	11
1940s	and	10
1950s	and	9
1960s	and	8
1970s	and	7
1980s	and	6
1990s	and	5
2000s	and	4
2010s	and	3
2020s	and	2
2030s	and	1

Overland Wyo.

Lesser Scaup (1) ✓ G. Vireo
 Hooded Warbler (1) Art (1)
 V-Bill (1) - 11' Red-tailed Hawk (1) R. Mew
 Red Crossbill (1) O.B. Sparrow (1)
 LC Tern (1) Pigeon (1)
 Cedar Waxwing (1) RT Tanager (1)
 Mealy Parrot (1) C. Kestrel (1)
 Bunting (1) - Tapir (1)
 Lucy's Warbler (1) Vireo (1)
 Wedge-tail Sabrewing (1) SWA (1)
 Ho. Oriole (1) B. Quail (1)
 CT Kestrel (1) B. Goshawk (1)
 RT Hummer (1) W. Woodpecker (1)
 Ruby Throated (1) L. T. Sparrow (1)
 Phoebe (1) 723
 Dark-eyed J. (1) Wilson's (1)
 V-Bill (1) 15' B. Goshawk (1)
 Hooded (1) RT Tanager (1)
 FBV-shrike (1) RT Mew (1)
 Brown (1) -
 Lucy's (1) (1) (1) (1) (1) (1)
 Anna's (1) (1) (1) (1) (1) (1)
 RT Hummer (1) R. Mew (1)
 S. Flicker (1) CT Hummer (1)
 White-tailed (1) Great Horned Owl
 Vireo (1) Vireo (1)

1961-1962

1990-1991

✓	W. Gull (1) -> 13m (1)	745
✓	Yellow Gull (1)	Lesser Sooty Tern (1)
✓	Red Phalarope (1)	15 Yel. Tern (1)
✓	NO Phal. (1)	13.11.08 (1)
✓	Common Gull (1)	Black-t. Tern (1)
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C-1936-11

✓ Green Elan ✓ R-gnat
 ✓ B. Woodpecker ✓ B. Tit ✓ White
 ✓ Jacana ✓

Pz 7 730
 ✓ Green Elan ✓ v. Cuckoo
 ✓ Ba. Macao (1) ✓ BPL (1m)
 ✓ Vireo ✓ HB Ch. Wren (1)
 ✓ BB Phoebe ✓ Brown Creeper
 ✓ The Mockingbird ✓ B. Cowbird (1)
 ✓ Dusky Flycatcher ✓ BTNW (1)
 ✓ Masked Tody Flycatcher (1)
 ✓ Bright ✓ Pileolated N.
 ✓ Odeonella (1) ✓ Constant

Pz 8 905
 ✓ B. W. (1) ✓ Vermilion
 ✓ Vireo (1) ✓ Black Vireo (1)
 ✓ W. Vireo ✓ SB Pigeon (1)
 ✓ Odeonella (1) ✓ Constant

Pz 9 925
 ✓ Vireo (1) ✓ SC Warbler (1)
 ✓ VSB Pigeon (1) ✓ Brown He. Lark (1)
 ✓ Vireo (1) ✓ Gray Hawk (1)
 ✓ Vireo (1) ✓ HB Cuckoo (1)
 ✓ Odeonella (1) ✓ B. W. (1)

✓ Jacana ✓ B. Tit ✓ White
 ✓ Vireo ✓ HB Cuckoo (1)
 ✓ Vireo (1) ✓ B. Cowbird (1)
 ✓ Vireo (1) ✓ B. W. (1)

Pz 10 940
 ✓ Brown Vireo (1) ✓ Vireo (1)
 ✓ Vireo (1) ✓ B. Ch. Wren (1)
 ✓ Vireo (1) ✓ B. Pigeon (1)
 ✓ Vireo (1) ✓ Redstart (1)
 ✓ Vireo (1) ✓ B. W. (1)
 ✓ Vireo (1) ✓ HB Cuckoo (1)
 ✓ Vireo (1) ✓ BB Phoebe (1)

✓ Mockingbird ✓ B. Cowbird (1) ✓ PZB
 ✓ Dusky Andbird 500 0.2 SL 2/4 645
 ✓ Cass. Sc. L 0.6 SR 9/15 Overcast
 ✓ Spot bc. Wren 0.2 8L
 ✓ Lesser Greenback 0.9 TR 19/23
 ✓ Brown Ch. Wren 0.2 TR
 ✓ V.B.W. Wren 0.4 12L
 ✓ Ft Ann Tanager 0.6 14R
 ✓ B.C. Grackle 0.6 7L
 ✓ Vireo (1) ✓ Thrush 1.2 KL 13 17L 9/25
 ✓ Hooded 0.2 S 1.3
 ✓ Ruf.-sided Hum. 0.6 4R 5/15 Spec 1/2
 ✓ Catbird 0.4 1.2 14L
 ✓ Vireo (1) ✓ Vermilion 1.2 10L 1ex
 ✓ Vireo (1) ✓ Vermilion 1.2 15R
 ✓ Vireo (1) ✓ Vermilion 1.2 8L 6/14
 ✓ Vireo (1) ✓ Vermilion 1.2 17R 10L
 ✓ Vireo (1) ✓ Vermilion 1.2 15R 10L
 ✓ Mockingbird ✓ B. Cowbird (1) ✓ PZB
 ✓ SP. Ft Ann Tanager 0.6 14R 11/15
 ✓ M. " " Vermilion 0.6 15R 5/15
 ✓ Catbird 0.4 1.2 16L no 10L

W.B. Bunker	3.4	15L	
S. G. & Phys	3.4	8R	9/15
W. B. Bunker h	3.6	1L	0/15
S. G. & Phys	4.2	4R	2/8
Z. S. P. & W. h	4.3	1R	0/5
{ B. C. h	4.3	4L	2/16
	4.3	5R	3/14
2 Down b.s.			
L. K. Bunker	4.4	11R	15/16
J. C. Cap. M. h	4.6	3R	
G. B. Bunker h	4.6	10R	0/6
F. C. Bunker h	5.1	7L	1/5
	5.2	6R	1/6
L. K. Bunker s	5.7	0.0	
H. B. Bunker	4.6	16L	
Z. P. B. Bunker	4.9	20R	
B. B. Bunker h	5.4	9L	
L. B. Bunker h	5.3	3R	
B. B. Bunker h	6.2	5R	
Z. Charcoal s	7.7	2L	2/
- early Holocene			
Y. B. Bunker h	7.6	16L	0/16
C. B. Bunker h	6.5	6L	
G. B. Bunker h	7.9	19L	
Z. Charcoal h	6.6	7L	
W. B. Bunker s	8.7	1L	

13. Right wing species

407 III	Spotted Towhee	35	10	
827 II	Spurred Towhee	3	10	
616 II	Spurred Towhee	3	10	
2432 I	Spurred Towhee	3	10	
301 II	Spurred Towhee	3	10	
199 III	Spurred Towhee	3	10	
6824 I				
508 II				
616 I				
711 II				
581 I				
1112 I				
EDUARDO'S PORRERO 12 FEB 13		610		
Scarlet Tanager ♀	0.1	17L	1/2	95
BBG R	2.1	3L	7	
Carib W	1.8	20R	1/3	
2WCS S	2.5	7L		
GTR S	2.9	6R	7	
BBG L	2.9	4L		
Carib L	2.6	8R	1/3	
Brown & Flyc S	4.3	6L	13	
PC Wats R S	4.0	10	11	
Yellow Nck R	0.9	4R	8/15	
GTR Flyc	4.4	2L	7/6	
- shared by BC & Flyc				
Wh bell Flycs S	4.5	5L	8/6	
Indigo L	4.9	4R	8/15	

2 Chipping Robins	44	2L	Ph	
2/3 Elaenia	4.5	3L	4/1	
Gulls	5.2	1L	5/2	
BBG	5	6L		
UBTL	7.8	7L		
Tuft Titmouse	7.3	16L		
TLG Tamias	7.7	19R		
WCS S	7.5	1L		
2 Grd Bkt	8.5	3L	5/2	
Cather	7.4			
W Thrush	8	10R	Dale	
Gray Catbird	n	n	Impax	
VB Glaucous	8	n	n	
Lappt L	8.3	15L		
2 Fox S	10.3	16L		
Redwing Blackb	9.5	5L		
Spurred Towhee	9.8	6L	7/6	
Tuft Titmouse	9.9	6L		
Verdin F S	9.8	7L	16	
10TL	13.5	2L	9/11	
Gr. South Elasianas	0.5	7L	8/10	
BBG	10.6	13L		
TLG	10.6	5L		
Nestor F S	10.6	4L	2/4	
2 Blue Wrens	10.6	3R		
12BBG S	11.7	6L		
TLG S	10.9	8R		
WCS S	11.8	10R		
WCS S	11.9	7L		
Yellow Nck R S	11.1	20R	10/15	
10TL S	11.1	7L	0/1	
Nashville Wats	11.1	16R	7/11	
UBTL	12.2	15L		
W Wrens O. S.	12.5	10L	Impax	
10TL F S	12.5	10L		
Gr. Chestnut Myna ♀ S	n	n		
TLG	n	n		
10TL F S	n	n		
W Wrens R	13.2	11		
W Wrens R	14.2	5L		

C

640-910

Wetland vegetation includes cattails, bulrushes, sedges, and various grasses.

Whiteface Wood, 13 ac.

Bird species	bk	n	pp
Red-tailed Hawk	65	121	
Black-bellied Puffin	65	81	
Gull-billed Tern	73	31	
Least Bittern	73	00	
N. N. N.	73	00	
Woollynecked Tern	76	19	
Little Bittern	76	00	
White-tailed Tropicbird	81	39	
Blue-faced Booby	84	16	
Worm-eating Warbler	76	01	
Long-tailed Jaeger	81	28-184	
Common Nighthawk	84	81	
Black-bellied Plover	84	00	
Ring-billed Gull	84	00	
Yellow-rumped Warbler	97	00	
IBPL b	102	72	
Lesser Scaup	102	171	
P. Eider	103	261	
Puffin	103	62	
Red Phalarope	103	00	
Spotted Noddy	103	00	
C. Gull	+	00	
Least Bittern	103	00	
Common Nighthawk	103	00	
Blue-faced Booby	103	00	
Worm-eating Warbler	103	00	
IBPL b	103	00	
Blue-faced Booby	103	00	

228	216	11.5	162	24
800	700	12.6	152	25
1000	900	12.7	152	25
1200	1100	12.8	152	25
1400	1300	12.9	152	25
1600	1500	13.0	152	25
1800	1700	13.1	152	25
2000	1900	13.2	152	25
2200	2100	13.3	152	25
2400	2300	13.4	152	25
2600	2500	13.5	152	25
2800	2700	13.6	152	25
3000	2900	13.7	152	25
3200	3100	13.8	152	25
3400	3300	13.9	152	25
3600	3500	14.0	152	25
3800	3700	14.1	152	25
4000	3900	14.2	152	25
4200	4100	14.3	152	25
4400	4300	14.4	152	25
4600	4500	14.5	152	25
4800	4700	14.6	152	25
5000	4900	14.7	152	25
5200	5100	14.8	152	25
5400	5300	14.9	152	25
5600	5500	15.0	152	25
5800	5700	15.1	152	25
6000	5900	15.2	152	25
6200	6100	15.3	152	25
6400	6300	15.4	152	25
6600	6500	15.5	152	25
6800	6700	15.6	152	25
7000	6900	15.7	152	25
7200	7100	15.8	152	25
7400	7300	15.9	152	25
7600	7500	16.0	152	25
7800	7700	16.1	152	25
8000	7900	16.2	152	25
8200	8100	16.3	152	25
8400	8300	16.4	152	25
8600	8500	16.5	152	25
8800	8700	16.6	152	25
9000	8900	16.7	152	25
9200	9100	16.8	152	25
9400	9300	16.9	152	25
9600	9500	17.0	152	25
9800	9700	17.1	152	25
10000	9900	17.2	152	25

3x11			
5x11	Spades	1 gal b	
5x11	Spades	8 gal	
5x11	Spades	3 gal	
4x5	Spades	5 gal	
4x5	Spades	5 gal	
5x5	Spades	5 gal	
6x11			
6x11	Spades	5 gal	
6x11	Upright	1 gal b	
6x11	Spades	3 gal	
6x11	Spades	2 gal	
Spade	3 gal		
Spade	3 gal		
Var.	5 lb	5 gal	

Point Coupé 653B 92

5000' Lake Pend Oreille Survey

Wolver Forest Map 710

1-17 a

1. A cultural & spiritual TV channel.

Final Estimated Number of Cases

Scanned by CamScanner

ANSWER: $\sin(\theta) = \frac{y}{r}$

2015-01-01 10:00:00

~~WET~~ 0

1517 0

- Transfer to workers who have been trained in welding
 - Also train welders in welding

5	canary	8	Magpie
1	Birds & insect	9	Wren
Sp	loc wren	10	(Sult)
1	like white bellied	11	large tape
1	1	12	727
1	1	13	727
Lesser Greenlet	14	14	Audubon
GB	bull wren	15	OB Cupidaria
B	white eye	16	3 Fins
G	C N wren	17	2 Chackalacka
SB	Wren	18	16 eggs
P	Flicker	19	Red breasted
1	1	20	11
1	1	21	11
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Franklin

26

• <u>IV Bill Vargas</u>	I	RPA Target	I
CC program		Leave built	I
IV Bill Vargas	I	W3W target	I
IV Bill Vargas	I	Br. because	I
Ann Second	I	VO 1st	I
SEPRACON	I	work	I
IV Bill Vargas	I	M Chopard	I
Ann Second	I	PB White	I
IV Bill Vargas	I	W3W target	I
IV Bill Vargas	I	Alfredo	I

Scrub Pot

18 FEB 640

Blech	19.7	2R	450
Common Tody Flycatcher	19.9	8L	349
Western Wattlebird	19.2	"	"
W.C. Sh.	19.3	6R	
♂ Carb h	19.8	20R	
W.C. Sh.	19.5	15L	1/2
Orch Oriole s	19.9	8L	0
♂ 22.7 2.0 7.9			
Vivian's sh	19.9	3R	
Dark Oriole m 25.12	19.4	12L	91
Red wattlebird	"	141	1/4
Red bellied blackbird	"		100
Y.B.C. h	19.6	13L	1/2
Red bellied Trogon	19.8	16L	
ETL h	19.8	17L	

Catbush

1 N S 9
2 B 31 - anagen S
3 L 51 - telogen S
4 C 4 - anagen S
5 L 512 S
6 C 20 h
7 C 17 h
8 L 52 h
9 C 17 h
10 C 28 h
11 Me 19 Pad

Nocturnal
1 Oct 2-3 Metres

Grey-bellied Martin 76 3R Sing

CAT h	78	10R
ZWLS h	75	20R
CAT h	71	10L
CEPL h	6.9	20R
" "	6.8	17L
ZENT ♀	5.5	2L close
WLS h	5.1	7L
WLS ♀	4.8	8R

So House Wren

Ovenbird S	3.9	1L
CAT h	2.8	17R
WLS S	11	15R CS/3
CEPL h	2.5	6R
WLS S	1.8	1L
Catbird h	1.2	20R
CAT h	0.8	6L

O-1R 10% Sq 1 7

7% Tg 80

3 SS 5

4L

Rx6 HT HT III Spider 4 gr L

500 " " Drosophila 5 gr L

124 " " 1" 4 " "

4.65 " " Spider 5 gr L

5 " " Drosophila 4 gr L

810 III 17III Spider 2 gr 20R

HR	M	Blk	lb
ZX140	Spiders	3	lb
3X01	Spiders	3	lb
5X11	2	3	lb
5X12	4	4	lb
7X8	2	2	stare
3X8	3	3	lb
5X31	8	8	lb
5X10	5	5	lb
5X11	2	2	lb
2X11	5	5	lb

UPLAND FOREST 14 FEB 92

Cloudy, warm SHN	645-010
Yellow Robin h	199 18R
FCAT Campion	19.2 18L
Red-shafted Flicker	19.5 13R < 20
White-throated Swift	19.6 17L
Red-breasted Nuthatch	19.8 7L
Carolina Wren	19.9 17L
Pileated Woodpecker	19.2 17L
White-throated Sparrow	19.7 9L
Blue-gray Gnatcatcher	19.9 15L 13L
Lesser Goldfinch h	19.9 15L 13L
Magpie h	19.1 16L 9L
Blue Grosbeak	19.2 17L 9L
Blue-gray Gnatcatcher h	18.8 10L 5L
L. Kingbird h	18.9 3L
Gray Flycatcher	18.3 13L 3L
Downy Woodpecker h	18.3 17L 7L
Pileated Woodpecker	16.9 11 2L
Red-eyed Vireo	17.8 6L 2L
White-throated Swift	17.6 8L 2L
Wilson's Warbler	17.1 8L
White-throated Swift	17.5 6L 2L
Red-eyed Vireo	17.6 6L 2L
Red-eyed Vireo	17.6 6L 2L
Red-eyed Vireo	17.5 6L 2L
Red-eyed Vireo	17.5 6L 2L

60' to 70' Common Room
[C] [A]

white-tail Kestrel	16.3	2R	5/22
Spurred Towhee h	16.3	SL	3/22
Blk & Gr Gray h	16.2	6R	
Towhee Northern	16.2	1R	
Sc sp Catcher	16.2	GR	3/22
WPT h	15.8	2R	6ap
2 Sp of Wren h	16.3	6L	
Dickcissel h	15.8	8L	6ap
" "	16.3	11R	
3 Mockingbird	16.1	7R	7/22
Wren	15.8	3L	6ap
3 R. Grouse h	15.8	6L	6ap
B. Meadowlark h	15.7	18R	
B. quail h	14.7	15R	6ap
B. Grosbeak	14.8	7L	6ap
W. Flycatch	14.1	12R	
Catbird	14.2	10R	7/22
Ochr bell Flcs	" "		
W. Bluebird h	14.4	8R	6ap
SR Rye h	13.6	1R	
B. Tit Sparrow	13.2	1R	6ap
W. Vireo	13.1	17R	
Gr. Vireo	13.2	20L	
2 R. Warbler	12.8	3R	2/22
CSA h	12.7	5L	"
Yankee h	12.4	6R	3/22
B. Tit Sparrow	12.4	17R	11/22

Red-sha	12.1	16R	3/22
1. Cuckoo	12.2	9R	6ap
1. W. Mockingbird h	13.3	16R	6ap
2. C. Wren h	10.9	8R	
W. Mockingbird h	11.3	10R	
L. Kingbird	11.1	7R	
Sc sp Catcher	10.2	10R	
2. C. Wren h	10.4	2R	13/22
B. D. Saltator	10.9	6L	6ap
B. Tit Sparrow	11.2	20L	6ap
2. C. Wren h	10.9	17L	
Mockingbird	9.7	3L	
Lesser Sedge Warbler	9.6	20L	
W. Flycatch	3.9	15L	
W. Flycatch	2.3	7L	
Lesser Sedge Warbler	7.3	14L	
W. Flycatch	4.1	17L	
W. Mockingbird h	4.5	15L	
Green-tailed Towhee	6.9	7L	10/22
W. Mockingbird h	6.7	16L	6ap
W. Mockingbird h	5.1	14L	6ap
B. Tit Sparrow	5.9	20L	
W. Mockingbird h	5.1	17L	
W. Mockingbird h	5.2	15L	10/22
W. Mockingbird h	4.9	20L	
W. Mockingbird h	4.6	14L	6ap
W. Mockingbird h	4.1	20L	
W. Mockingbird h	4.1	18L	
W. Mockingbird h	3.3	18L	10/22
W. Mockingbird h	3.6	22L	
W. Mockingbird h	3.6	13L	2/22
W. Mockingbird h	2.3	17L	
W. Mockingbird h	1.7	8L	9/22
W. Mockingbird h	1.3	7L	9/22
2. C. Catbird	0.7	16R	
W. Mockingbird h	0.7	11L	10/22
W. Mockingbird h	0.7	11L	10/22
W. Mockingbird h	0.7	14L	
W. Mockingbird h	0.7	11L	

1 APR 12

630 - 953

Sun

Soil & Water Survey

Boyle

Official 2008B

Dusky Antshrike	10.8	3R
3 BI Grosbeaks	14.9	7C
White-tail Kite	14.6	3R
W. Screech Owl	14.7	7R
Red-shafted Flicker	14.6	3R
Common Gallinule	14.5	1R
Least Flycatcher	14.5	10 1/2
SI H.A. Tody Fly	14.2	4R
Blue Grosbeak	14.7	9R
Blue Tit	14.2	10L
Clay-colored Robin	14.3	5R
Yellow-rump Warbler	14.4	15R 1/2
Oreocanadian	14.4	17L 1/2
White-throated Swift	14.6	5L 1/2
W. Screech Owl	14.6	10L
W. W. Vireo	14.8	12L
K. Flycatcher	14.8	20R
4 Crested Caracara	14.5	16R 4 1/2
1 Chachalaca	14.5	16R 4 1/2
3 Blue & green Heron	14.5	4L
Spurred Towhee	14.4	12
10 Red-tailed Hawk	14.4	12
W. Kingbird	14.4	8R 3 1/2
RTA Tanager	14.4	10L 0 1/2
Orch. Flycatcher	14.3	17L 0 1/2
Common Tody	14.8	10R
23 White-tail Kite	14.7	17R
6 BI Sparrows	14.3	9L 3 1/2
RT Hummers	14.7	2R
W. W. Vireo	14.7	7R
Spurred Towhee	14.6	2L
SI M. Flycatcher	14.5	4L
OB Euclora	14.5	7R
14.5	8L	8L
OB Euclora	14.3	8L
14.5	1R	3 1/2
14.2	10L	10L
Sc. Thrush on f.	14.3	20R
14.4	10L	10L
Common Tody	14.9	10L

W. Grows	16	1	9	Rif
YB Cacique h	15.8	10L		
W. Grows h	15.9	4L	2/3	1000
W. Grows Plat	15.4	10L	10%	
W. Grows S	15.3	12L	9/3 sec	
Brown Plat S	14.8	9L	8/6 sec	
Flooded h	15.1	6L	0/3/8	
W. Grows S	14.9	2R	9/8 sec	
2 BLK Hd Satch	14.9	18L		
GB Sparrow	14.6	10R		
Blgry h	14.5	3R		
Y Blgry h	14.5	20L		
Wh. eye Phoe	14.5	9L		
BL Grouse h	14.3	5L		
Orchid h	14.3	20L		
W. Grows h	14.3	6L	1/3	
Bigot h	14.3	8L	1000	
C. Grows	14.3	10R		
Blgry	14.1	1L		
C. Grows S	13.8	20L	20%	
W. Grows	13.9	9L		
Yor	13.9	1L		
U. Grouse	13.7	3R	3/10	
W. Grows	12.9	5L		
U. Grouse	12.7	14L	1000	
W. Grows h	12.7	1L		
Yor	12.6	10L	1/10	

RB Spectral	9.10.8	
2 Dried Fish	1.02	
Flax oil	3.9 10	F
flax oil Waxes	3.8 9	3.2
Linen oil	3.9	
Miseno oil	3.4 6	7.20
2 Dried Fish	2.9 100	
Wool oil	7.6 0	7.20
Soybean oil	2.9	
Olive oil	2.6	100 0.5/20
Banana oil	2.6	130
Linen oil	"	102
Stearic waxes	3.4	"
Glycerine	2.4	9L
Beeswax	2.4	15L
Butter	2.4	"
Nut oil	2.4	4L
Flax oil (seed oil)	1.7	9.2 9/1
2 Linseed oil can 50L	0.2	28.75
Cotton oil	0.1	10 1/20
C. S. oil	0.2	6L 0.5/1
B. S. oil	0.2	16L 1/1
Yerba mate oil	0.1	10L

Wilson	17
DeSoto	6
Louisiana	3
LAKE	1
Owenhouse	3
WDT+	1
Morgan	4
ATM	2
Loops	1
Woodbine	1
LSU P.	3
SUTA	1
	42
4000. PABCS	21448
PLAT. PARTNERS ADJ. TO CPTON	
DEPTHS	
1000	1000
ZONES	5
500	500
300	300
200	200
100	100
50	50
25	25
12.5	12.5
6.25	6.25
3.125	3.125
1.5625	1.5625
0.78125	0.78125
0.390625	0.390625
0.1953125	0.1953125
0.09765625	0.09765625
0.048828125	0.048828125
0.0244140625	0.0244140625
0.01220703125	0.01220703125
0.006103515625	0.006103515625
0.0030517578125	0.0030517578125
0.00152587890625	0.00152587890625
0.000762939453125	0.000762939453125
0.0003814697265625	0.0003814697265625
0.00019073486328125	0.00019073486328125
0.000095367431640625	0.000095367431640625
0.0000476837158203125	0.0000476837158203125
0.00002384185791015625	0.00002384185791015625
0.000011920928955078125	0.000011920928955078125
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0.00000298023223876953125	0.00000298023223876953125
0.000001490116119384765625	0.000001490116119384765625
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0.000000000000000000000000000631088724169493659930382812500000033915625	0.000000000000000000000000000631088724169493659930382812500000033915625
0.000000000000000000000000000315544362084746829965194531250000016953125	0.000000000000000000000000000315544362084746829965194531250000016953125
0.000000000000000000000000000157772181042373414982597812500000084828125	0.000000000000000000000000000157772181042373414982597812500000084828125
0.0000000000000000000000000000788860905211867074912988281250000043415625	0.0000000000000000000000000000788860905211867074912988281250000043415625
0.0000000000000000000000000000394430452605933537456494531250000217078125	0.0000000000000000000000000000394430452605933537456494531250000217078125
0.000000000000000000000000000019721522630296676872824531250000108515625	0.000000000000000000000000000019721522630296676872824531250000108515625
0.000000000000000000000000000009860761315147838436412281250000054253125	0.000000000000000000000000000009860761315147838436412281250000054253125
0.00000000000000000000000000000493038065757391	

PT 3 PT MIN

720

2

5555555

3

553

6

13m

5

HHSS 5535

55555553

555555

PT 4 P-T 144V

735

2

3

5:15

7:15

5:111

"

35m

13m

12

PT 5 PT MIN

750

2	235	9	
3	5555555	0:15	
4	5555552		
5	when T > 555555		
6	secret		
7	10:05:55		
8	5:22		
9	7m 13%		
10	13m		
11	16m		
12	16m		
13	11:00 23:51 2:53	standard chip config	
14		chip config	

C

R7	For M	716
brown	yellow	
mill Bill	Reddish	
Br. Solt.	yellow	
Br. Immature	Yellowish	
>2000' (1)	Mass.	
lit. Immature	Br. green	
White back	Br. green	
Dry Cap fly (1)	Social	
Pet. love	Br. green	
~1000'		740
Br. sub-adult (1)	W. Immature	
~1500'	W. Immature	
~1500'	W. Immature	

Geobacter metallireducens B16 1992

Black-headed Grosbeak	100	100	100
Blue Grosbeak	100	100	100
Red-headed Grosbeak	100	100	100
Red-bellied Warbler	100	100	100
Yellow-bellied Flycatcher	100	100	100
Scarlet Tanager	100	100	100
Mexican Warbler	100	100	100
Palm Warbler	100	100	100
Lucifer Hummingbird	100	100	100
S. L. Indigo Bunting	100	100	100

Sec. B Member	P. 17	129
Not enough A. in D. for one P.		
Leave out		11
SK. in		15
46 1/2 C. I		
Sab. Wm. II	Gundlach	I
Budapest		

23 Feb 6

Bacardi 20

Playfair's Flavivorous (round Pt 981)

P-9 P.T. M

735

12

2011-10-15 A.35

10 108

5 3 10 10 10 10

三

Am

176

卷之三

10. The following table shows the number of hours worked by 1000 employees of a company.

2

3	10	0.02	10	10	10	10	10	0.40
			10	10	4			

100

100

100

Table 1. Summary of the results of the field surveys.

C

C

卷之三

May 2 - Cash

651

First Class Drawing Book Carl

Scrub Warbler	R 18	
Scarlet Ch. of Am III	Scrub Ph (1)	
Dusky Antbird II	R. many	
Red-faced Ant III	Vigorous	
Sp. br. Green T II	Yellow Ph (1)	
Red. in. Cat (1) On the B. bank	Blue Ph (1)	
Forster's Warbler II	707.0	
Weller Bay (10)	1356.1 in 10½	
B.T. Sparrow 188 Black Ph		
B.T. Salt 101		
Red. Ant. (mat 4) BB Rock Wk		
Soot Ph.	Potentilla	1
Forster's Wagtail 17 OB Sparrow (1)		
B.T. Rock Wk (1)	K. A. C. 1000 in	
Scrub Warbler 19	728	
Dusky Ants II	Yellow Ph. II	
Scar. Warbler I	M. Open black	
Sc. Flump (an) III	W. Open bay (1)	
B.T. Human I	70 Blue 2 (1)	
LBTL I	YBTL II	
(Yellow Ph. black) OB Sparrow II		
Ovenbird	100	
GBL (green) I	Scrub Ph (1)	
Blue Ph. I	1500 in (1)	

5 Feb. Marion Page 755

C

Bluegill	99	32	39
Coho	23	12P	out
Perch	94	9L	
Gilt	94	19L	
Walleye	91	15R	10/20
Chub	10L		
Crappie	92	15L	
Whitefish	91	9L	1/2
Newt	91	28	3/2
Bass	89	16	6/3
Black Bass	91	12L	6/2
Walleye	91	1L	4
Crappie	91	18L	11/2
Silverside	92	20R	
Whitefish	91	19R	
Walleye	91	20R	
Crappie	91	1L	String
Crappie	87	2R	
Crappie	88	7L	10/2
Crappie	87	7L	5/2
Crappie	89	8L	
Crappie	78	7L	4/2
Gilt	77	18	
Walleye	77	11L	7/5
Crappie	77	18	
Gilt	77	3L	

Opus-Denkmal

1000 2793692

1. Bunt	0.1	30	424
2. Bunt	0.1	186	
3. Bunt	0.1	211	
4. Bunt	0.1	206	
5. Bunt	0.1	132	
6. Bunt	0.2	72	
7. Bunt	0.2	72	
8. Bunt	0.3	101	
9. Bunt	0.6	101	
10. Bunt	1.1	10.6	
11. Bunt	1.1	31	
12. Bunt	1.1	24	
13. Bunt	1.1	24	
14. Bunt	1.2	101	
15. Bunt	1.2	101	
16. Bunt	1.6	21.1	
17. Bunt	2.2	14.8	71.2
18. Bunt	2.4	14.1	
19. Bunt	2.5	14.1	
20. Bunt	2.6	21.1	
21. Bunt	2.6	20.1	
22. Bunt	2.7	20.1	
23. Bunt	2.7	20.1	
24. Bunt	2.8	14.1	
25. Bunt	2.8	14.1	
26. Bunt	2.8	14.1	
27. Bunt	3.1	14.1	
28. Bunt	3.2	14.1	
29. Bunt	3.2	14.1	
30. Bunt	3.2	14.1	
31. Bunt	3.2	14.1	
32. Bunt	3.2	14.1	
33. Bunt	3.2	14.1	
34. Bunt	3.2	14.1	
35. Bunt	3.2	14.1	
36. Bunt	3.2	14.1	
37. Bunt	3.2	14.1	
38. Bunt	3.2	14.1	
39. Bunt	3.2	14.1	
40. Bunt	3.2	14.1	
41. Bunt	3.2	14.1	
42. Bunt	3.2	14.1	
43. Bunt	3.2	14.1	
44. Bunt	3.2	14.1	
45. Bunt	3.2	14.1	
46. Bunt	3.2	14.1	
47. Bunt	3.2	14.1	
48. Bunt	3.2	14.1	
49. Bunt	3.2	14.1	
50. Bunt	3.2	14.1	
51. Bunt	3.2	14.1	
52. Bunt	3.2	14.1	
53. Bunt	3.2	14.1	
54. Bunt	3.2	14.1	
55. Bunt	3.2	14.1	
56. Bunt	3.2	14.1	
57. Bunt	3.2	14.1	
58. Bunt	3.2	14.1	
59. Bunt	3.2	14.1	
60. Bunt	3.2	14.1	
61. Bunt	3.2	14.1	
62. Bunt	3.2	14.1	
63. Bunt	3.2	14.1	
64. Bunt	3.2	14.1	
65. Bunt	3.2	14.1	
66. Bunt	3.2	14.1	
67. Bunt	3.2	14.1	
68. Bunt	3.2	14.1	
69. Bunt	3.2	14.1	
70. Bunt	3.2	14.1	
71. Bunt	3.2	14.1	
72. Bunt	3.2	14.1	
73. Bunt	3.2	14.1	
74. Bunt	3.2	14.1	
75. Bunt	3.2	14.1	
76. Bunt	3.2	14.1	
77. Bunt	3.2	14.1	
78. Bunt	3.2	14.1	
79. Bunt	3.2	14.1	
80. Bunt	3.2	14.1	
81. Bunt	3.2	14.1	
82. Bunt	3.2	14.1	
83. Bunt	3.2	14.1	
84. Bunt	3.2	14.1	
85. Bunt	3.2	14.1	
86. Bunt	3.2	14.1	
87. Bunt	3.2	14.1	
88. Bunt	3.2	14.1	
89. Bunt	3.2	14.1	
90. Bunt	3.2	14.1	
91. Bunt	3.2	14.1	
92. Bunt	3.2	14.1	
93. Bunt	3.2	14.1	
94. Bunt	3.2	14.1	
95. Bunt	3.2	14.1	
96. Bunt	3.2	14.1	
97. Bunt	3.2	14.1	
98. Bunt	3.2	14.1	
99. Bunt	3.2	14.1	
100. Bunt	3.2	14.1	

C

Redback 61 80' 9"

2 BPLg	7.2		
2 Magpie Parrot Red-shinned	6.5	8R	14/1
YO Rhye h	7.3	16L	17/2
WSP h	7.2	0.0	18/25
WSP h	8.5	7R	18/20
Macaw S	9.3	8L	10/2
Re Day S	9.1	5R	10/7
BB Broadbill h	9.3	15L	
Dusky - bl. h	9.2	20R	
RT Hornet h	9.5	9R	
WSP	10.2	9R	
3rd R Tower h	10.6	5R	
Red-shinned	9.8	17R	
2 Teal-bill h	10.8	0.0	12/12
WSP S	11.1	1R	9/6
1 Macaw	n	n	n
YO Fly	10.9	9R	
Black-throated S	11.1	1R	9/10
Sp. Am.	n	n	n
Belcher's			
Magnificent	11.7	6R	8/10
Spoon-bill			
Thick-billed Rail	11.8	13R	
Lesser Greenlet h	11.9	19R	
BB Laniate	11.5	13L	10/16

Winnipeg, Manitoba

640 923

205

MCPA 28 FEB 02	Cloudy, cool
Yellow warbler ♂	0.5 SL 3/3
Greenish Elencat	0.5 TR
Wh. Th. Warbler h	0.1 3L 2/3
Social Flycatcher	0.3 7R 6/6
IB Sparrow ♂	0.2 WR
Varied Sedge Warbler	2.0 SL 4/4
Cp. h	11 UC
Wren-sh.	10.9 GR 1/2 2/2
Social Flyc. s	6.9 16R
Petrelant ♀	0.0 6R Char
BBG h,s	2.1 2 0.5 1.5
LEFL h	2.8 19R
Scarlet P. sp. imm ♀	11 20L 4/3
W ♂	2.5 6L 1/2
LG FL h	2.9 4L
Med R. I. h	3.8 8R 3/3
WCS pe.	2.2 20L 2/2
Wilson ♂	3.5 SL
Cp. ♀	3.6 7L
Social Flyc	4.2 8R 3/5
Pied flycatcher	8.8 5R 1/2
Wilson warbler	4.3 150 3/3
Sc. Gnatcatcher	3.9 10L 1/2
W ♂	4.6 16L 1/2
White-th. Warbler	4.2 14L 1/2
GB Sparrow h	4.6 12L 1/2

2 G.B. Am. S	18.0	SR	36
13.6 M	15.5	10L	
2 Hairy Woodpecker	15.8	10L	9
15.2 L	15.9	7R	
5 W.C.S.	16.4	6L	
2 A.B. B. S	"	"	
16.2 L	16.3	18L	3/4
16.1 D	17.5	6R	
16.0 M	17.5	11L	43
2 C. W. G. S	17.9	5L	
16.1 L	17.5	6L	
15.2 L	17.4	19L	Chub
Catbird	17.6	11L	
15.8 S	"	14L	
Hairy and Downy	17.4	5L	
Flamboy	17.6	18L	
15.2 L	17.1	18L	15/22
Common Flycatcher	17.3	8R	
3 Bl. & Black S	17.3	11L	11
B.B. L	18.5	11L	
2 Ind. B. D. L	18.6	10L	
15.2 L	18.7	10L	-
15.2 S	19.2	17L	43
15.2 L	19.5	11R	

Fronteckers are rock
18 March all broken out
worth saving

2 Red Gull Tern		100% 200%	
Species	Plates	L	R
Black-bellied Plover	15.7	15.7	15.3
Common Sanderling	16.2	15.2	15.8
Greater Yellowlegs	17.9	17.2	17.1
Least Sandpiper	14.7	15.2	15.3
Red-necked Phalarope	18L	18L	18.0
Red Phalarope	15.8	15.1	15.6
Ring-billed Gull	15.7	15.7	15.6
Tern	15.3	2L	15.2
Red Phalarope	15.6	15R	
Red Phalarope	15.2	15.1	15.2
Willet	16	16	15.5
Clay-colored	15.8	15.2	
Ring-billed Gull	15.8	15	
Ring-billed Gull	15.6	15.6	
Ring-billed Gull	15.6	15.6	
Willet	15.1	15.0	
Willet	15.0	15.2	15.0
Willet	15.0	15.2	15.0
Least Sandpiper	10.7	16.2	0
L. Gullender	15.2	15F	
Snowy-tail Tropic	10.9	9.2	10.7
Cinnamon Gull	n	n	15.0
Ring-billed Gull	15.1	15L	
Greater Yellowlegs	15.1	14.2	15.0
Greater Yellowlegs	n	n	
Greater Yellowlegs	n	n	
Greater Yellowlegs	15.1	14.2	

1000	156	
250	12	
100	7.3	160
40	7.7	200
10	6.9	22
4	6.2	12
1	5.2	6/0
0.4	4.2	21
0.1	3.2	11
0.04	2.7	20
0.01	3.5	0
0.004	2.0	21.425
0.001	2.2	32
0.0004	1.7	
0.0001	1.8	157.2
0.00004	2.2	100
0.00001	2.3	160
0.000004	1.9	96
0.000001	1.6	172
0.0000004	1.3	100
0.0000001	1.1	112.45
0.00000004	1.2	21.422
0.00000001	1.3	112.45

Dear Greta and

3-12-11	Salt	4	6
4-12-11	W	3	6
5-12-11	Leafhopper	1	8
2-7-11	Scallop	10	3
2-8-11	Worm	3	6
2-9-11	Caterpillar	2	6
1-11-11	Worm	1	6
3-10-11	Leafhopper	3	6
3-11-11	Worm	3	6
2-11-11	Worm	3	6
3-12-11	Worm	3	6
3-13-11	Worm	3	6
2-5-11	Worm	3	6
2-6-11	Worm	12	6
4-10-11	Worm	5	6
4-11-11	Crab	5	
4-12-11	YBFL	8	
5-15-11	BWFL	1	
1-6-11-11	Gr. G. Fly	2	
6-13-11	WDTA	9	
	Redex	3	
	M	4	

~~150-151~~

C

Clipper	5	141.3	SL	131
CBP Lk		13.5	131	
CBP Lk		13.3	131	21
CBP Lk		13.6	SL	131
3 Scrunge	24	84	101	2/9
Others		1.2	21	
Terns Waders S		1.1	14.8	21
B. gull	5			
Black-bellied Plover	PR	10.9	12.2	13
3 Gulls	9.2	10.6	14.2	2/9
Common Tern		10.6	8.6	
15 Blk b		10.7		
Black-bellied Plover		11.8	7.6	
7 Franklin's Gull	11.2	5.1		
Yellow Wagtail	9.5	11.1	18.2	1/15
W. Black-bellied	3			
3 Kestrels	5			
Common Gull	3	10.6	20.8	1/10
12 Bonap.	L	10.5	9.5	
Loons		10.1	7.8	3/2
Top Powell	1	10.5	10.8	7/6
Scrunge on PR		10.5	8.6	
23 Blk		"	"	
Mel Black-bellied	5	10.4	12	
2 Gulls S	1/10	8.9	8.8	7/6
1 Blue heron	1	10.1	12.0	1/10

26.1 Wader	16.9	16	7	12
Ed for rump Pigeon	18	7R	8	12
Long-tail Bunting USK	19.8	14L		
Buff-breast Gilt	18.7	6L		
2 White-browed	18.5	8L		
Lept. Dr. fink War.	17.7	14R		
Kingsp. L.	18.4	6R	8	9
N. Waterthrush L.	18.6	7L		
Chest. Colored wdpes	18.3	3R	7	11
G.C. Warbler L.	18.3	4L		
OB Sparrowhawk	18.4	7L		
3 BT Chickadee L.	18.1	14R		
Spar. in Wren L.	17.6	18L		
OB Sparrow S	17.9	8R		
Pink Ph. Flycatcher	17.4	12L		
BB Goldfinch L.	16.9	18L		
R. C. Warbler L.	16.9	11		
2 Sp. bc Wren L.	16.8	15R		
BT Shrike	16.2	6L		
Bluebird	16.5	7L	8	12
2 AC Warbs	16.2	6L		
Blk H. Vireo	16.1	2L		
BT Cuckoo L.	15.8	19R		
Spurred Towhee	15.8	12L		
Dark-eyed Junc.	15.4	11L		
White-tail Kite	11.9			

Grades 903 n 75-76

10 miles east of Mt. Pleasant 76
No. 2 in the series

Dusky-headed L	3.5	IR
Chestnut-b.	3.2	IR
♂ juv	4.9	IR
T-tail Meadowlark	4.7	IR $\frac{1}{2}$
ZB of the Saltator	4.4	IR
W3 Wilson's	4.7	IR
Z DNA Warbler	4.5	IR
Greenlet L	4.6	IR
Manakin L	4.3	IR
W3 White L	4.9	IR
Wren L	3.7	IR
6 Vermilion S	3.7	IR
ZB Empidonax	3.7	IR
A. Audubon's L	3.7	IR
Platyrinchus	3.2	IR $\frac{1}{2}$
W3 Winter L	3.2	IR
DNA Warbler	2.7	IR
Long-tail L	1.7	IR
R. Jay S	1.3	IR $\frac{1}{2}$
GB Phoebe S	"	"
Yellow-rump S	3.7	IR
CB Gull	0.6	GR $\frac{1}{2}$
W. Vireo	0.3	IR
B. Fox Sparrow	0.2	IR
U. Kingbird S	0.1	IR

SPW w/ Ed. Rowles	10	IR $\frac{1}{2}$
Mallard, Flock Point (cont'd)		
15 March		
R 21	803	7070
GB Phoebe (D)		Shallow Valley
GB Saltator L		Big Spring
GB Warbler L		Black Rock
GB House Finch (D)		W. Green
GB House Finch (D)		Redwood Creek
GB Collected forward 1		Big Spring
GB Chickadee (D)		GB Screech (D)
GB Cedar (D)		Screech (D)
GB Chickadee (D)		Rocky Knob (D)
GB Cedar (D)		GB Chickadee (D)
GB Chickadee (D)		
2 IR	817	5570
Pied-billed L		W. Spring (D)
GB House Finch (D)		Common Redpoll
GB Cedar (D)		GB Blackbird (D)
GB House Finch (D)		W. Chickadee
GB Cedar (D)		GB Screech (D)
GB Chickadee (D)		
YRCS	853	7070
GB Cedar (D)		GB Blackbird (D)
GB Cedar (D)		Anticipate (D)
GB Cedar (D)		BC Net-mat (D)
GB Cedar (D)		GB Screech (D)
GB Cedar (D)		SPW Wren (D)
GB Cedar (D)		GB Chickadee (D)

2 sides of road

Pg 24 850 35%

Wilson's	(1)	Yellow-shafted Flicker
Red-tailed Hawk	(1)	Red-tailed Hawk
Red-tail (1)		Yellow-shafted Flicker
Red-tail (1)		Red-tail Hawk
Catbird		Red-eyed Vireo
Baird's (1)		White-throated Sparrow
GO. W. (1)		GR. Sparrow
4-63		

Pg 25 904 30%

WCS	(1)	DC Flycatcher
GR. Grosbeak (1)		M. Blackbird
LEAF (1)		Orchard Oriole
Yellow-shafted Flicker	(1)	Yellow-shafted Flicker
BRGI (1)		Blue-gray Gnatcatcher
S. B. G. (1)		B. Kingbird
Spoonbill (1)		T. Warbler

Pg 26 920 35%

Yellow-shafted Flicker	(1)	Twelve-wired Starling
LEAF (1)		Yellow-shafted Flicker
W.W. (1)		M. Blackbird
Red-tail (1)		Yellow-shafted Flicker
Catbird (1)		Blue-gray Gnatcatcher
4-63		Yellow-shafted Flicker
5-63		MT. Warbler

TABLA I

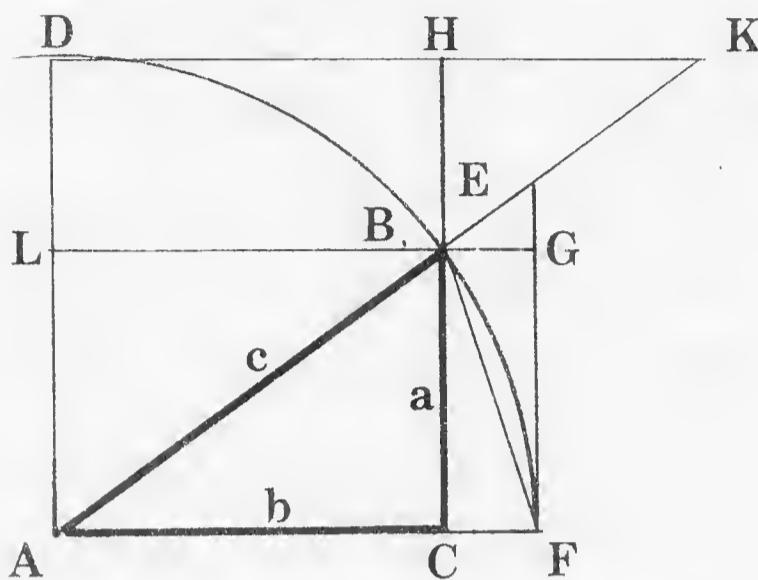
Fórmulas Trigonométricas

FUNCIONES TRIGONOMETRICAS

Sea el ángulo BAC (Fig. 1) = A = arco BF , y el radio $AB = AF = AD = 1$.

Entonces:

sen	$A = BC$
cos	$A = AC$
tg	$A = FE$
cot	$A = DK$
sec	$A = AE$
cosec	$A = AK$
senver	$A = CF$
cosvers	$A = LD$
exsec	$A = BE$
coexsec	$A = BK$
cuerda	$A = BF$



(En el triángulo recto) ABC (Fig. 1), sea el ángulo $BAC = A$, ABC y $ACB = C = 90^\circ$. Haga el lado $BC = a$, $AC = b$ y $AB = c$.

Entonces tenemos que:

$$1.-\text{sen } A = \frac{a}{c} = \cos B$$

$$11.- a = c \operatorname{sen} A = c \cos B$$

$$2.-\text{sen } B = \frac{b}{c} = \cos A$$

$$= b \operatorname{tg} A = b \cot B$$

$$3.-\operatorname{tg } A = \frac{a}{b} = \cot B$$

$$= \sqrt{c^2 - b^2}$$

$$4.-\operatorname{tg } B = \frac{b}{a} = \cot A$$

$$= \sqrt{(c + b)(c - b)}$$

$$5.-\operatorname{sec } A = \frac{c}{b} = \operatorname{cosec } B$$

$$12.- b = c \cos A = c \operatorname{sen} B$$

$$6.-\operatorname{sec } B = \frac{c}{a} = \operatorname{cosec } A$$

$$= a \cot A = a \operatorname{tg} B$$

$$7.-\operatorname{senver } A = \frac{c-b}{c} = \operatorname{cosver } B$$

$$= \sqrt{(c + a)(c - a)}$$

$$8.-\operatorname{senver } B = \frac{c-a}{c} = \operatorname{cosver } A$$

$$13.- c = \frac{a}{\operatorname{sen} A} = \frac{a}{\cos B}$$

$$9.-\operatorname{exsec } A = \frac{c-b}{b} = \operatorname{coexsec } B$$

$$= \frac{b}{\cos A} = \frac{b}{\operatorname{sen} B}$$

$$10.-\operatorname{exsec } B = \frac{c-a}{a} = \operatorname{coexsec } A$$

$$= \sqrt{a^2 + b^2}$$

TABLA I

Fórmulas Trigonométricas

$$14.- \operatorname{sen } A = \frac{1}{\operatorname{cosec } A} = \operatorname{tg } A \cos A; \therefore \cos A = \frac{1}{\operatorname{sec } A} = \operatorname{cot } A \operatorname{sen } A$$

$$15.- \operatorname{tg } A = \frac{\operatorname{sen } A}{\cos A} = \frac{1}{\operatorname{cot } A}; \therefore \operatorname{cot } A = \frac{\cos A}{\operatorname{sen } A} = \frac{1}{\operatorname{tg } A}$$

$$16.- \operatorname{senver } A = 1 \cdot \cos A = \operatorname{sen } A \operatorname{tg } A = \frac{2 \operatorname{sen}^2 A}{2}$$

$$17.- \operatorname{sec } A = \frac{1}{\cos A} = \sqrt{1 + \operatorname{tg}^2 A}; \therefore \operatorname{cosec } A = \frac{1}{\operatorname{sen } A} = \sqrt{1 + \operatorname{cot}^2 A}$$

$$18.- \operatorname{exsec } A = \operatorname{sec } A \cdot 1 = \operatorname{tg } A \operatorname{tg } A = \frac{\operatorname{senver } A}{2 \cos A}$$

FORMULAS DE LA CURVA

Caso 1. Cuando D representa el ángulo correspondiente a una cuerda de 20 m.

$$19.- R = \frac{10}{\operatorname{sen}(D/2)}; \therefore \operatorname{sen}(D/2) = \frac{10}{R}$$

Caso 2. Cuando D representa el ángulo correspondiente a dos cuerdas consecutivas de 10 m cada una.

$$20.- R = \frac{5}{\operatorname{sen}(D/4)}; \therefore \operatorname{sen}(D/4) = \frac{5}{R}$$

$$21.- \text{Longitud de la curva } L = 20 \frac{1}{D} \text{ (para } R \gg 100 \text{ mts)}$$

$$22.- \text{Angulo intersectado } I = \frac{DL}{20}$$

$$23.- \text{Grado de la curva } D = 20 \frac{L}{I}$$

$$24.- \text{Tamaño de la tangente } T = R \operatorname{tg}(I/2)$$

$$25.- \text{Cuerda del arco } C = 2R \operatorname{sen}(I/2)$$

$$26.- \text{Ordenada media } M = R \operatorname{senver}(I/2)$$

$$27.- \text{Externa } E = R \operatorname{exsec}(I/2)$$

$$28.- \text{Radio } R = T \operatorname{cot}(I/2)$$

$$29.- \text{Tangente a la curva de 1 grado} = 1145.9 \operatorname{tg}(I/2)$$

$$30.- \text{Externa a la curva de 1 grado} = 1145.9 \operatorname{exsec}(I/2) \\ = T \operatorname{tg}(I/4) = aa45.9 \operatorname{tg}(I/4) \operatorname{tg}(I/2)$$

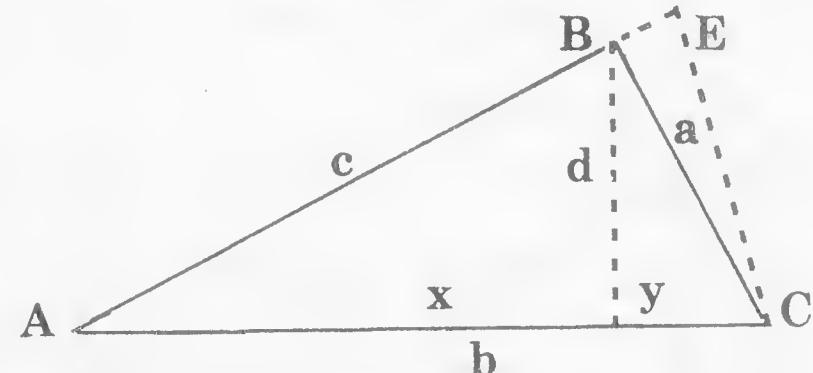
TABLA I

Fórmulas Trigonométricas

SOLUCION DE TRIANGULOS OBLICUOS

Para evitar confusión de símbolos; "A" y "a" representan el ángulo más pequeño y su lado opuesto respectivamente. "B" y "b" los mayores, dejando a "C" y "c" para representar a los intermedios. Sin embargo, este orden no siempre puede ser observado con las fórmulas 34 y 35.

Fig. 2



DADO		PEDIDO	FORMULAS
31	Dos Ang's	3er Ang.	3er Ang. = $180 - (\text{Suma de los dos ang. dados})$
32	A, B, a B, C, b C, A, c	b c a	$b = \frac{a}{\operatorname{sen} A} \operatorname{sen} B; \therefore c = \frac{a}{\operatorname{sen} A} \operatorname{sen} C$ $c = \frac{b}{\operatorname{sen} B} \operatorname{sen} C; \therefore a = \frac{b}{\operatorname{sen} B} \operatorname{sen} A$ $a = \frac{c}{\operatorname{sen} C} \operatorname{sen} A; \therefore b = \frac{c}{\operatorname{sen} C} \operatorname{sen} B$
33	a, b, c	A, C	Considere el lado más largo "b" dividido por la normal "d" en dos segmentos "x" e "y". Si "d" parte de "B" se tiene la siguiente proporción: $\frac{b}{c+a} = \frac{c-a}{x-y}$ $\therefore x-y = \frac{(c+a)(c-a)}{b}$ $\therefore \cos A = \frac{x}{c} \cos C = \frac{y}{a}$ $\cos A = \frac{b^2 + c^2 - a^2}{2bc} \cos C = \frac{b^2 + a^2 - c^2}{2ab}$
34	a, B, c A, b, c	$\frac{C-A}{2}$ C, a	$\operatorname{tg} \frac{C-A}{2} = \frac{c-a}{c+a} \operatorname{tg} \frac{C+A}{2}$ $c \cos A = x; b-x = y; c \operatorname{sen} A = d$ $\therefore \operatorname{tg} C = \frac{d}{y}; a = \frac{C}{\operatorname{sen} C}$
35	a, b, A	B, c	$\operatorname{sen} B = \frac{b \operatorname{sen} A}{a}; c = \frac{a \operatorname{sen} C}{\operatorname{sen} A}$

Recuerde: Un ángulo y su suplemento tienen el mismo seno. Como B y E Fig. 2

TABLA II

Radios de las curvas métricas

Grados por cadena de 20 m.	D.	Radio de la curva R.	Logaritmo del radio Log. R.	Deflexión por metro d. m.	D.	R.	Log. R.	d. m.
0° 10	6875.5	3. 8373 04	0.25	10	572.99	2. 7581 45	3.00	
12	5729.6	7581 23	0.30	12	563.59	7509 67	3.05	
14	4911.1	6911 76	0.35	14	554.51	7439 06	3.10	
16	4297.2	6331 84	0.40	16	545.70	7369 58	3.15	
18	3819.7	5820 32	0.45	18	537.18	7301 19	3.20	
20	3437.8	5362 74	0.50	20	528.92	7233 86	3.25	
22	3125.2	4948 82	0.55	22	484.22	6850 46	3.55	
24	2864.8	4570 94	0.60	24	477.50	6789 73	3.60	
26	2644.4	4223 32	0.65	26	470.96	6729 84	3.65	
28	2455.5	3901 47	0.70	28	464.60	6670 76	3.70	
30	2291.8	3601 84	0.75	30	458.40	6612 47	3.75	
32	2148.6	3321 55	0.80	32	452.37	6554 96	3.80	
34	2022.2	3058 27	0.85	34	446.50	6498 19	3.85	
36	1909.9	2810 03	0.90	36	440.78	6442 17	3.90	
38	1809.3	2575 23	0.95	38	435.20	6386 85	3.95	
40	1718.9	2352 46	1.00	40	429.76	6332 23	4.00	
42	1637.0	2140 57	1.05	42	424.45	6278 29	4.05	
44	1562.6	1938 54	1.10	44	419.28	6225 01	4.10	
46	1494.7	1745 49	1.15	46	414.23	6172 38	4.15	
48	1432.4	1560 66	1.20	48	409.30	6120 38	4.20	
50	1371.1	1383 38	1.25	50	404.48	6068 99	4.25	
52	1322.2	1213 05	1.30	52	399.78	6018 21	4.30	
54	1273.3	1049 15	1.35	54	395.19	5968 01	4.35	
56	1227.8	0891 21	1.40	56	390.70	5918 39	4.40	
58	1185.4	0738 81	1.45	58	386.31	5869 32	4.45	
1° 0	1145.9	0591 58	1.50	3° 0'	382.02	5820 81	4.50	
2	1109.0	0449 18	1.55	2	377.82	5772 83	4.55	
4	1074.3	0311 30	1.60	4	373.71	5725 38	4.60	
6	1041.8	0177 67	1.65	6	369.70	5678 44	4.65	
8	1011.1	0048 02	1.70	8	365.76	5632 00	4.70	
10	982.23	2. 9922 13	1.75	10	361.91	5586 06	4.75	
12	954.95	9799 79	1.80	12	358.15	5540 59	4.80	
14	929.14	9680 81	1.85	14	354.45	5495 60	4.85	
16	904.69	9564 99	1.90	16	350.84	5451 07	4.90	
18	881.49	9452 19	1.95	18	347.30	5406 99	4.95	
20	859.46	9342 24	2.00	20	343.82	5363 35	5.00	
22	838.49	9235 00	2.05	22	340.42	5320 15	5.05	
24	818.53	9130 35	2.10	24	337.08	5277 37	5.10	
26	799.50	9028 17	2.15	26	333.81	5235 02	5.15	
28	781.33	8928 33	2.20	28	330.60	5193 07	5.20	
30	763.97	8830 74	2.25	30	327.46	5151 52	5.25	
32	747.36	8735 29	2.30	32	324.37	5110 37	5.30	
34	731.46	8641 90	2.35	34	321.34	5069 60	5.35	
36	716.22	8550 47	2.40	36	318.36	5029 22	5.40	
38	701.60	8460 93	2.45	38	315.44	4989 20	5.45	
40	687.57	8373 19	2.50	40	312.58	4949 55	5.50	
42	674.09	8287 20	2.55	42	309.76	4910 26	5.55	
44	661.13	8202 87	2.60	44	307.00	4871 33	5.60	
46	648.66	8120 15	2.65	46	304.28	4832 74	5.65	
48	636.65	8038 98	2.70	48	301.61	4794 49	5.70	
50	625.07	7959 30	2.75	50	298.99	4756 57	5.75	
52	613.91	7881 05	2.80	52	296.41	4718 98	5.80	
54	603.14	7804 19	2.85	54	293.88	4681 72	5.85	
56	592.74	7228 66	2.90	56	291.39	4644 77	5.90	
58	582.70	7654 43	2.95	58	288.94	4608 14	5.95	

TABLA II

Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
4° 0'	286.54	2. 4571 81	6.00'	6° 0'	191.07	2. 2812 00	9.00'
2	284.17	4535 78	6.05	2	190.02	2787 96	9.05
4	281.84	4500 05	6.10	4	188.98	2764 05	9.10
6	279.55	4464 61	6.15	6	187.94	2740 28	9.15
8	277.30	4429 46	6.20	8	186.92	2716 63	9.20
10	275.08	4394 60	6.25	10	185.91	2693 12	9.25
12	272.90	4360 01	6.30	12	184.92	2669 73	9.30
14	270.75	4325 69	6.35	14	183.93	2646 46	9.35
16	268.64	4291 64	6.40	16	182.95	2623 33	9.40
18	266.55	4257 86	6.45	18	181.98	2600 31	9.45
20	264.51	4224 34	6.50	20	181.03	2577 41	9.50
22	262.49	4191 08	6.55	22	180.08	2554 64	9.55
24	260.50	4158 07	6.60	24	179.14	2531 98	9.60
26	258.54	4125 31	6.65	26	178.22	2509 45	9.65
28	256.61	4092 79	6.70	28	177.30	2487 03	9.70
30	254.71	4060 52	6.75	30	176.39	2464 72	9.75
32	252.84	4028 48	6.80	32	175.49	2442 53	9.80
34	251.00	3996 68	6.85	34	174.60	2420 45	9.85
36	249.18	3965 11	6.90	36	173.72	2398 49	9.90
38	247.39	3933 77	6.95	38	172.85	2376 63	9.95
40	245.62	3902 66	7.00	40	171.98	2354 89	10.00
42	243.88	3871 77	7.05	42	171.13	2333 25	10.05
44	242.16	3841 09	7.10	44	170.28	2311 72	10.10
46	240.47	3810 63	7.15	46	169.45	2290 30	10.15
48	238.80	3780 38	7.20	48	168.62	2268 99	10.20
50	237.16	3750 35	7.25	50	167.79	2247 77	10.25
52	235.53	3720 52	7.30	52	166.98	2226 67	10.30
54	233.93	3690 89	7.35	54	166.18	2205 66	10.35
56	232.35	3661 46	7.40	56	165.38	2184 76	10.40
58	230.70	3632 24	7.45	58	164.59	2163 95	10.45
5° 0'	229.26	3603 20	7.50	7° 0'	163.80	2143 25	10.50
2	227.74	3574 37	7.55	2	163.03	2122 64	10.55
4	226.24	3545 72	7.60	4	162.26	2102 13	10.60
6	224.76	3517 26	7.65	6	161.50	2081 72	10.65
8	223.30	3488 98	7.70	8	160.75	2061 41	10.70
10	221.87	3460 89	7.75	10	160.00	2041 19	10.75
12	220.44	3432 98	7.80	12	159.26	2021 06	10.80
14	219.04	3405 25	7.85	14	158.53	2001 03	10.85
16	217.66	3377 70	7.90	16	157.80	1981 08	10.90
18	216.29	3350 32	7.95	18	157.08	1961 24	10.95
20	214.94	3323 11	8.00	20	156.37	1941 48	11.00
22	213.60	3296 07	8.05	22	155.66	1921 81	11.05
24	212.29	3269 20	8.10	24	154.96	1902 23	11.10
26	210.98	3242 49	8.15	26	154.27	1882 74	11.15
28	209.70	3215 95	8.20	28	153.58	1863 33	11.20
30	208.43	3189 57	8.25	30	152.90	1844 01	11.25
32	207.17	3163 35	8.30	32	152.22	1824 78	11.30
34	205.93	3137 28	8.35	34	151.55	1805 64	11.35
36	204.71	3111 37	8.40	36	150.89	1786 57	11.40
38	203.50	3085 62	8.45	38	150.23	1767 60	11.45
40	202.30	3060 02	8.50	40	149.58	1748 70	11.50
42	201.12	3034 57	8.55	42	148.93	1729 89	11.55
44	199.95	3009 27	8.60	44	148.29	1711 16	11.60
46	198.80	2984 11	8.65	46	147.66	1692 51	11.65
48	197.66	2959 10	8.70	48	147.03	1673 93	11.70
50	196.53	2934 23	8.75	50	146.40	1655 44	11.75
52	195.41	2909 51	8.80	52	145.78	1637 03	11.80
54	194.31	2884 93	8.85	54	145.17	1618 70	11.85
56	193.22	2860 48	8.90	56	144.56	1600 44	11.90
58	192.14	2836 17	8.95	58	143.95	1582 26	11.95

TABLA II
Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
8° 0'	143.36	2. 1564 15	12.00	10° 0'	114.74	2. 0597 04	15.00
2	142.76	1546 13	12.05	2	114.36	0582 62	15.05
4	142.17	1528 17	12.10	4	113.98	0568 26	15.10
6	141.59	1510 29	12.15	6	113.60	0553 94	15.15
8	141.01	1492 49	12.20	8	113.23	0539 67	15.20
10	140.44	1474 75	12.25	10	112.86	0525 44	15.25
12	139.87	1457 09	12.30	12	112.49	0511 26	15.30
14	139.30	1439 51	12.35	14	112.13	0497 13	15.35
16	138.74	1421 99	12.40	16	111.76	0483 04	15.40
18	138.18	1404 54	12.45	18	111.40	0469 00	15.45
20	137.63	1387 17	12.50	20	111.05	0455 01	15.50
22	137.08	1369 86	12.55	22	110.69	0441 06	15.55
24	136.54	1352 62	12.60	24	110.34	0427 16	15.60
26	136.00	1335 45	12.65	26	109.98	0413 30	15.65
28	135.47	1318 35	12.70	28	109.63	0399 48	15.70
30	134.94	1301 32	12.75	30	109.29	0385 71	15.75
32	134.41	1284 35	12.80	32	108.94	0371 99	15.80
34	133.89	1267 45	12.85	34	108.60	0358 30	15.85
36	133.37	1250 62	12.90	36	108.26	0344 66	15.90
38	132.86	1233 85	12.95	38	107.92	0331 07	15.95
40	132.35	1217 15	13.00	40	107.58	0317 51	16.00
42	131.84	1200 51	13.05	42	107.25	0304 00	16.05
44	131.34	1183 93	13.10	44	106.92	0290 53	16.10
46	130.84	1167 42	13.15	46	106.59	0277 11	16.15
48</							

TABLA II

Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
12° 0'	95.54	1.9801 70	18.00'	14° 0'	81.90	1.9132 95	21.00
2	95.27	9789 66	18.05	10	80.94	9081 62	21.25
4	95.01	9777 66	18.10	20	80.00	9030 89	21.50
6	94.75	9765 69	18.15	30	79.08	8980 74	21.75
8	94.49	9753 75	18.20	40	78.18	8931 18	22.00
10	94.23	9741 85	18.25	50	77.31	8882 17	22.25
12	93.97	9729 98	18.30	15° 0'	76.45	8833 71	22.50
14	93.72	9718 14	18.35	10	75.61	8785 80	22.75
16	93.46	9706 33	18.40	20	74.79	8738 40	23.00
18	93.21	9694 56	18.45	30	73.99	8691 52	23.25
				40	73.20	8645 14	23.50
20	92.96	9682 82	18.50	50	72.43	8599 26	23.75
22	92.71	9671 11	18.55				
24	92.46	9659 43	18.60	16° 0'	71.68	8553 85	24.00
24	92.21	9647 78	18.65	10	70.94	8508 92	24.25
28	91.96	9636 16	18.70	20	70.22	8464 45	24.50
30	91.72	9624 58	18.75	30	69.51	8420 44	24.75
32	91.47	9613 03	18.80	40	68.82	8376 87	25.00
34	91.23	9601 50	18.85	50	68.14	8333 73	25.25
36	90.99	9590 01	18.90	17° 0'	67.47	8291 02	25.50
38	90.75	9578 55	18.95	10	66.81	8248 73	25.75
				20	66.17	8206 85	26.00
40	90.51	9567 11	19.00	30	65.54	8165 37	26.25
42	90.28	9555 71	19.05	40	64.93	8124 28	26.50
44	90.04	9544 34	19.10	50	64.32	8083 58	26.75
46	89.80	9533 00	19.15				
48	89.57	9521 68	19.20	18° 0'	63.73	8043 27	27.00
50	89.34	9510 40	19.25	10	63.14	8003 32	27.25
52	89.11	9499 15	19.30	20	62.57	7963 74	27.50
54	88.88	9487 92	19.35	30	62.01	7924 53	27.75
56	88.65	9476 73	19.40	40	61.46	7885 66	28.00
58	88.42	9465 56	19.45	50	60.91	7847 14	28.25
				19° 0'	60.38	7808 97	28.50
13° 0'	88.19	9454 42	19.50	10	59.86	7771 12	28.75
2	87.97	9443 31	19.55	20	59.34	7733 61	29.00
4	87.75	9432 23	19.60	30	58.84	7696 42	29.25
6	87.52	9421 18	19.65	40	58.34	7659 55	29.50
8	87.30	9410 15	19.70	50	57.85	7622 99	29.75
10	87.08	9399 16	19.75				
12	86.86	9388 19	19.80	20° 0'	57.37	7586 74	30.00
14	86.64	9377 25	19.85	10	56.90	7550 79	30.25
16	86.42	9366 33	19.90	20	56.43	7515 14	30.50
18	86.21	9355 45	19.95	30	55.97	7479 78	30.75
				40	55.52	7444 71	31.00
20	85.99	9344 59	20.00	50	55.08	7409 92	31.25
22	85.78	9333 76	20.05	21° 0'	54.64	7375 41	31.50
24	85.56	9322 95	20.10	10	54.21	7341 18	31.75
26	85.35	9312 18	20.15	20	53.79	7307 21	32.00
28	85.14	9301 42	20.20	30	53.38	7278 51	32.25
30	84.93	9290 70	20.25	40	52.97	7240 08	32.50
32	84.72	9280 00	20.30	50	52.56	7206 90	32.75
34	84.51	9269 33	20.35	22° 0'	52.17	7173 97	33.00
36	84.31	9258 69	20.40	10	51.78	7141 30	33.25
38	84.10	9248 07	20.45	20	51.39	7108 87	33.50
40	83.90	9237 47	20.50	30	51.01	7076 68	33.75
42	83.69	9226 91	20.55	40	50.64	7044 73	34.00
44	83.49	9216 37	20.60	50	50.27	7013 02	34.25
46	83.29	9205 85	20.65	23° 0'	49.91	6981 54	34.50
48	83.09	9195 36	20.70	10	49.55	6950 29	34.75
50	82.89	9184 89	20.75	20	49.20	6919 26	35.00
52	82.69	9174 46	20.80	30	48.85	6888 46	35.25
54	82.49	9164 04	20.85	40	48.51	6857 88	35.50
56	82.29	9153 65	20.90	50	48.17	6827 51	35.75
58	82.10	9143 29	20.95	24° 0'	47.83	6797 35	36.00

* Curvas de menos de 100 m de radio deben localizarse por medias cadenas o cuerdas de 10 m

TABLA III

Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
1°	10.00	.044	11°	110.3	5.30	21°	212.4	19.52
	11.67	.059	10'	112.0	5.46	10'	214.1	19.83
	13.33	.078	20	113.7	5.63	20	215.8	20.15
	15.00	.098	30	115.4	5.79	30	217.6	20.47
	16.67	.121	40	117.1	5.96	40	219.3	20.79
	18.34	.147	50	118.8	6.14	50	221.0	21.12
2	20.00	.175	12	120.4	6.31	22	222.7	21.45
	21.67	.205	10	122.1	6.49	10	224.5	21.78
	23.34	.238	20	123.8	6.67	20	226.2	22.11
	25.00	.273	30	125.5	6.85	30	227.9	22.45
	26.67	.310	40	127.2	7.04	40	229.7	22.79
	28.34	.350	50	128.9	7.22	50	231.4	23.13
3	30.01	.393	13	130.6	7.41	23	233.1	23.48
	31.68	.438	10	132.2	7.61	10	234.9	23.82
	33.34	.485	20	133.9	7.80	20	236.6	24.17
	35.01	.535	30	135.6	8.00	30	238.4	24.53
	36.68	.587	40	137.3	8.20	40	240.1	24.88
	38.35	.641	50	139.0	8.40	50	241.8	25.24
4	40.02	.698	14	140.7	8.61	24	243.6	25.60
	41.69	.758	10	142.4	8.81	10	245.3	25.96
	43.35	.820	20	144.1	9.02	20	247.1	26.33
	45.02	.884	30	145.8	9.23			

TABLA III Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
31°	317.8	43.25	41°	428.4	77.48	51°	546.6	123.7
10'	319.6	43.73	10'	430.3	78.14	10'	548.6	124.6
20	321.4	44.22	20	432.2	78.80	20	550.7	125.4
30	323.2	44.70	30	434.2	79.49	30	552.7	126.3
40	325.0	45.19	40	436.1	80.16	40	554.8	127.2
50	326.8	45.68	50	438.0	80.84	50	556.8	128.1
32	328.6	46.18	42	439.9	81.53	52	558.9	129.0
10	330.4	46.68	10	411.8	82.21	10	561.0	129.9
20	332.2	47.18	20	443.7	82.90	20	563.0	130.8
30	334.0	47.69	30	445.6	83.60	30	565.1	131.8
40	335.8	48.19	40	447.5	84.30	40	567.2	132.7
50	337.6	48.70	50	449.5	85.00	50	569.3	133.6
33	339.4	49.22	43	451.4	85.70	53	571.3	134.5
10	341.3	49.73	10	453.3	86.11	10	573.4	135.5
20	343.1	50.25	20	455.2	87.12	20	575.5	136.4
30	344.9	50.77	30	457.2	87.83	30	577.6	137.3
40	346.7	51.30	40	459.1	88.55	40	579.7	138.3
50	348.5	51.83	50	461.0	89.27	50	581.8	139.2
34	350.3	52.36	44	463.0	90.00	54	583.9	140.2
10	352.2	52.89	10	464.9	90.72	10	586.0	141.1
20	354.0	53.43	20	466.9	91.45	20	588.1	142.1
30	355.8	53.97	30	468.8	92.19	30	590.2	143.1
40	357.6	54.52	40	470.8	92.93	40	592.3	144.0
50	359.5	55.06	50	472.7	93.67	50	594.4	145.0
35	361.3	55.61	45	474.7	94.42	55	596.5	146.0
10	363.1	56.16	10	476.6	95.16	10	598.7	146.9
20	365.0	56.72	20	478.6	95.92	20	600.8	147.9
30	366.8	57.28	30	480.5	96.67	30	602.9	148.9
40	368.7	57.84	40	482.5	97.43	10	605.0	149.9
50	370.5	58.40	50	484.5	98.20	50	607.2	150.9
36	372.3	58.97	46	486.4	98.96	56	609.3	151.9
10	374.2	59.54	10	488.4	99.73	10	611.4	152.9
20	376.0	60.12	20	490.4	100.5	20	613.6	153.9
30	377.9	60.69	30	492.3	101.3	30	615.7	154.9
40	379.7	61.27	40	494.3	102.1	40	617.9	156.0
50	381.6	61.86	50	496.3	102.8	50	620.0	157.0
37	383.4	62.44	47	498.3	103.6	57	622.2	158.0
10	385.3	63.03	10	500.2	104.4	10	624.3	159.0
20	387.1	63.63	20	502.2	105.2	20	626.5	160.1
30	389.0	64.22	30	504.2	106.0	30	628.7	161.1
40	390.9	64.82	40	506.2	106.8	40	630.8	162.2
50	392.7	65.42	50	508.2	107.6	50	633.0	163.2
38	394.6	66.03	48	510.2	108.4	58	635.2	164.3
10	396.4	66.64	10	512.2	109.3	10	637.4	165.3
20	398.3	67.25	20	514.2	110.1	20	639.6	166.4
30	400.2	67.86	30	516.2	110.9	30	641.8	167.5
40	402.0	68.48	40	518.2	111.7	40	643.9	168.5
50	403.9	69.10	50	520.2	112.5	50	646.1	169.6
39	405.8	69.73	49	522.2	113.4	59	648.3	170.7
10	407.7	70.36	10	524.2	114.2	10	650.5	171.8
20	409.6	70.99	20	526.3	115.1	20	652.7	172.9
30	411.4	71.62	30	528.3	115.9	30	655.0	174.0
40	413.3	72.26	40	530.3	116.8	40	657.2	175.1
50	415.2	72.90	50	532.3	117.6	50	659.4	176.2
40	417.1	73.54	50	534.4	118.5	60	661.6	177.3
10	419.0	74.19	10	536.4	119.3	10	663.8	178.4
20	420.9	74.84	20	538.4	120.2	20	666.1	179.5
30	422.8	75.49	30	540.5	121.0	30	668.3	180.6
40	424.7	76.15	40	542.5	121.9	40	670.5	181.8
50	426.5	76.81	50	544.5	122.8	50	672.8	182.9

TABLA III Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
61°	675.0	184.0	71°	817.4	261.6	81°	978.7	361.1
10'	677.3	185.2	10'	819.9	263.1	10'	981.6	362.9
20	679.5	186.3	20	822.4	264.6	20	984.5	364.8
30	681.8	187.5	30	825.0	266.1	30	987.4	366.7
40	684.0	188.6	40	827.5	267.5	40	990.3	368.6
50	686.3	189.8	50	830.0	269.0	50	993.5	370.5
62	688.5	190.9	72	832.6	270.5	82	996.1	372.4
10	690.8	192.1	10	835.1	272.0	10	999.1	374.4
20	693.1	193.3	20	837.7	273.5	20	1002.0	376.3
30	695.4	194.5	30	840.2	275.0	30	1005.0	378.2
40	697.7	195.7	40	842.8	276.6	40	1007.9	380.2
50	699.9	196.9	50	845.4	278.1	50	1010.9	382.1
63	702.2	198.0	73	847.9	279.6	83	1013.8	384.1
10	704.5	199.3	10	850.5	281.1	10	1016.8	386.1
20	706.8	200.5	20	853.1	282.7	20	1019.8	388.1
30	709.1	201.7	30	855.7	284.2	30	1022.8	390.1
40	711.4	202.9	40	858.3	285.8	40	1025.8	392.0
50	713.7	204.1	50	860.9	287.4	50	1028.8	394.1
64	716.1	205.3	74	863.5	288.9	84	1031.8	396.1
10	718.4	206.6	10	866.1	290.5	10	1034.8	398.1
20	720.7	207.8	20	868.8	292.1	20	1037.9	400.1
30	723.0	209.0	30	871.4	293.7</			

TABLA III

Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
91°	1166.1	489.0	101°	1390.1	655.6	111°	1667.3	877.2
10'	1169.5	491.4	10'	1394.3	658.8	10'	1672.5	881.5
20	1172.9	493.9	20	1398.4	662.0	20	1677.8	885.8
30	1176.3	496.3	30	1402.5	665.2	30	1683.0	890.2
40	1179.8	498.8	40	1406.7	668.5	40	1688.3	894.5
50	1183.2	501.2	50	1410.9	671.7	50	1693.6	898.9
92	1186.6	503.7	102	1415.1	675.0	112	1698.9	903.3
10	1190.1	506.2	10	1419.3	678.2	10	1704.3	907.8
20	1193.6	508.7	20	1423.6	681.5	20	1709.6	912.2
30	1197.1	511.2	30	1427.8	684.9	30	1715.0	916.7
40	1200.5	513.7	40	1432.1	688.2	40	1720.4	921.2
50	1204.0	516.3	50	1436.3	691.5	50	1725.9	925.7
93	1207.6	518.8	103	1440.6	694.9	113	1731.3	930.8
10	1211.1	521.4	10	1444.9	698.3	10	1736.8	934.8
20	1214.6	523.9	20	1449.3	701.6	20	1742.3	939.4
30	1218.2	526.5	30	1453.6	705.0	30	1747.8	944.1
40	1221.7	529.1	40	1458.0	708.5	40	1753.4	948.7
50	1225.3	531.7	50	1462.3	711.9	50	1759.0	953.4
94	1228.9	534.3	104	1466.7	715.4	114	1764.6	958.1
10	1232.4	536.9	10	1471.1	718.8	10	1770.2	962.8
20	1236.0	539.6	20	1475.6	722.3	20	1775.9	967.6
30	1239.7	542.2	30	1480.0	725.8	30	1781.5	972.3
40	1243.3	544.9	40	1484.4	729.4	40	1787.3	977.1
50	1246.9	547.6	50	1488.9	732.9	50	1793.0	982.0
95	1250.6	550.3	105	1493.4	736.5	115	1798.8	986.8
10	1254.2	553.0	10	1497.9	740.0	10	1804.5	991.7
20	1257.9	555.7	20	1502.4	743.6	20	1810.3	996.6
30	1261.6	558.4	30	1507.0	747.2	30	1816.2	1001.6
40	1265.3	561.1	40	1511.5	750.9	40	1822.1	1006.5
50	1269.0	563.9	50	1516.1	754.5	50	1828.0	1011.5
96	1272.7	566.6	106	1520.7	758.2	116	1833.9	1016.5
10	1276.4	569.4	10	1525.3	761.9	10	1839.8	1021.6
20	1280.1	572.2	20	1529.9	765.6	20	1845.8	1026.7
30	1283.9	575.0	30	1534.6	769.3	30	1851.8	1031.8
40	1287.7	577.8	40	1539.3	773.0	40	1857.8	1036.9
50	1291.5	580.6	50	1543.9	776.8	50	1863.9	1042.1
97	1295.2	583.5	107	1548.6	780.6	117	1870.0	1047.2
10	1299.0	586.3	10	1553.4	781.4	10	1876.1	1052.5
20	1302.9	589.2	20	1558.1	788.2	20	1882.3	1057.7
30	1306.7	592.1	30	1562.9	792.0	30	1888.4	1063.0
40	1310.5	594.9	40	1567.6	795.9	40	1894.6	1068.3
50	1314.4	597.8	50	1572.4	799.7	50	1900.9	1073.6
98	1318.2	600.8	108	1577.2	803.6	118	1907.1	1079.0
10	1322.1	603.7	10	1582.1	807.6	10	1913.4	1084.4
20	1326.0	606.6	20	1586.9	811.5	20	1919.8	1089.8
30	1329.9	609.6	30	1591.8	815.4	30	1926.1	1095.3
40	1333.8	612.6	40	1596.7	819.4	40	1932.5	1100.8
50	1337.8	615.5	50	1601.6	823.4	50	1938.9	1106.3
99	1341.7	618.5	109	1606.5	827.4	119	1945.4	1111.9
10	1345.7	621.5	10	1611.5	831.5	10	1951.9	1117.5
20	1349.6	624.6	20	1616.5	835.5	20	1958.4	1123.1
30	1353.6	627.6	30	1621.6	839.6	30	1965.0	1128.8
40	1357.6	630.7	40	1626.5	843.7	40	1971.5	1134.5
50	1361.6	633.7	50	1631.5	847.8	50	1978.2	1140.2
100	1365.7	636.8	110	1636.6	851.9	120	1984.8	1145.9
10	1369.7	639.9	10	1641.6	856.1	10	1991.5	1151.7
20	1373.8	643.0	20	1646.7	860.3	20	1998.2	1157.5
30	1377.8	646.2	30	1651.9	864.5	30	2005.0	1163.4
40	1381.9	649.3	40	1657.0	868.7	40	2011.8	1169.3
50	1386.0	652.5	50	1662.2	873.0	50	2018.6	1175.2

Pagina II

TABLA III

Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
121°	2025.4	1181.2	125°	2201.3	1335.8	129°	2402.5	1515.9
10'	2032.3	1187.2	10'	2209.2	1342.7	10'	2411.5	1524.0
20	2039.2	1193.2	20	2217.0	1349.7	20	2420.6	1532.2
30	2046.2	1199.3	30	2225.0	1356.8	30	2429.7	1540.5
40	2053.2	1205.4	40	2232.9	1363.9	40	2438.9	1548.8
50	2060.2	1211.6	50	2241.0	1371.0	50	2448.2	1557.1
122	2067.3	1217.7	126	2249.0	1378.2	130	2457.5	1565.6
10	2074.4	1224.0	10	2257.1	1385.4	10	2466.8	1574.0
20	2081.6	1230.2	20	2265.3	1392.7	20	2476.2	1582.6
30	2088.8	1236.5	30	2273.5	1400.0	30	2485.7	1591.2
40	2096.0	1242.9	40	2281.7	1407.4	40	2495.3	1599.9
50	2103.2	1249.2	50	2290.0	1414.8	50	2504.9	1603.6
123	2110.5	1255.6	127	2298.4	1422.3	131	2514.5	1617.4
10	2117.9	1262.1	10	2306.8	1429.8	10	2524.2	1626.2
20	2125.3	1268.6	20	2315.2	1437.4	20	2434.0	1635.2
30	2132.7	1275.1	30	2323.7	1445.0	30	2543.9	1644.1
40	2140.1	1281.7	40	2332.3	1452.7	40	2553.	

TABLA IV Cuerdas a un radio 1, para trazo de ángulos

Angulo	0'	10'	20'	30'	40'	50'	DIFERENCIAS				
							2'	4'	6'	8'	10'
0°	.0000	.0029	.0058	.0087	.0116	.0145	6	12	17	23	29
1°	.0175	.0204	.0233	.0262	.0291	.0320					
2°	.0349	.0378	.0407	.0436	.0465	.0494					
3°	.0524	.0553	.0582	.0611	.0640	.0669					
4°	.0698	.0727	.0756	.0785	.0814	.0843					
5°	.0872	.0901	.0931	.0960	.0989	.1018					
6°	.1047	.1076	.1105	.1134	.1163	.1192					
7°	.1221	.1250	.1279	.1308	.1337	.1366					
8°	.1395	.1424	.1453	.1482	.1511	.1540					
9°	.1569	.1598	.1627	.1656	.1685	.1714					
10°	.1743	.1772	.1801	.1830	.1859	.1888					
11°	.1917	.1946	.1975	.2004	.2033	.2062					
12°	.2091	.2119	.2148	.2177	.2206	.2235					
13°	.2264	.2293	.2322	.2351	.2380	.2409					
14°	.2437	.2466	.2495	.2524	.2553	.2582					
15°	.2611	.2639	.2668	.2697	.2726	.2755					
16°	.2783	.2812	.2841	.2870	.2899	.2927					
17°	.2956	.2985	.3014	.3042	.3071	.3100					
18°	.3129	.3157	.3186	.3215	.3244	.3272	6	11	17	23	29
19°	.3301	.3330	.3358	.3387	.3416	.3444					
20°	.3473	.3502	.3530	.3559	.3587	.3616					
21°	.3645	.3673	.3702	.3730	.3759	.3788					
22°	.3816	.3845	.3873	.3902	.3930	.3959					
23°	.3987	.4016	.4044	.4073	.4101	.4130	6	11	17	23	28
24°	.4158	.4187	.4215	.4244	.4272	.4300					
25°	.4329	.4357	.4386	.4414	.4442	.4471					
26°	.4499	.4527	.4556	.4584	.4612	.4641					
27°	.4669	.4697	.4725	.4754	.4782	.4810					
28°	.4838	.4867	.4895	.4923	.4951	.4979					
29°	.5008	.5036	.5064	.5092	.5120	.5148					
30°	.5176	.5204	.5233	.5261	.5289	.5317	6	11	17	22	28
31°	.5345	.5373	.5401	.5429	.5457	.5485					
32°	.5513	.5541	.5569	.5597	.5625	.5652					
33°	.5680	.5708	.5736	.5764	.5792	.5820					
34°	.5847	.5875	.5903	.5931	.5959	.5986					
35°	.6014	.6042	.6070	.6097	.6125	.6153					
36°	.6180	.6208	.6236	.6263	.6291	.6319					
37°	.6346	.6374	.6401	.6429	.6456	.6484					
38°	.6511	.6539	.6566	.6594	.6621	.6649	5	11	16	22	27
39°	.6676	.6704	.6731	.6758	.6786	.6813					
40°	.6840	.6868	.6895	.6922	.6950	.6977					
41°	.7004	.7031	.7059	.7086	.7113	.7140					
42°	.7167	.7195	.7222	.7249	.7276	.7303					
43°	.7330	.7357	.7384	.7411	.7438	.7465					
44°	.7492	.7519	.7546	.7573	.7600	.7627					

Las diferencias están en diez milésimos
del Radio

TABLA IV Cuerdas a un radio 1, para trazo de ángulos

Angulo	0'	10'	20'	30'	40'	50'	DIFERENCIAS				
							2'	4'	6'	8'	10'
45°	.7654	.7681	.7707	.7734	.7761	.7788	5	11	16	21	27
46°	.7815	.7841	.7868	.7895	.7922	.7948					
47°	.7975	.8002	.8028	.8055	.8082	.8108					
48°	.8135	.8161	.8188	.8214	.8241	.8267					
49°	.8294	.8320	.8347	.8373	.8400	.8426	5	11	16	21	26
50°	.8452	.8479	.8505	.8531	.8558	.8584					
51°	.8610	.8636	.8663	.8689	.8715	.8741	5	10	16	21	26
52°	.8767	.8794	.8820	.8846	.8872	.8898					
53°	.8924	.8950	.8976	.9002	.9028	.9054					
54°	.9080	.9106	.9132	.9157	.9183	.9209					
55°	.9235	.9261	.9287	.9312	.9338	.9364	5	10	15	21	26
56°	.9389	.9415	.9441	.9466	.9492	.9518					
57°	.9543	.9569	.9594	.9620	.9645	.9671	5	10	15	20	26
58°	.9696	.9722	.9747	.9772	.9798	.9823	5	10	15	20	25
59°	.9848	.9874	.9899	.9924	.9950	.9975					
60°	1.0000	1.0025	1.0050	1.0075	1.0101	1.0126					
61°	1.0151	1.0176	1.0201	1.0226	1.0251	1.0276					
62°	1.0301	1.0326	1.0351	1.0375	1.0400	1.0425					
63°	1.0450	1.0475	1.0500	1.0524	1.0549	1.0574					
64°	1.0598	1.0623	1.0648	1.0672	1.0697	1.0721					
65°	1.0746	1.0771	1.0795	1.0819	1.0844	1.0868	5	10	15	20	24
66°	1.0893	1.0917	1.0912	1.0966	1.0990	1.1014	5	10	15	19	24
67°	1.1039	1.1063	1.1087	1.1111	1.1136	1.1166					
68°	1.1184	1.1208	1.1232	1.1256	1.1280	1.1304	5	10	14	19	24
69°	1.1328	1.1352	1.1376	1.1400	1.1424	1.1448					
70°	1.1472	1.1495	1.1519	1.154							

Dave & Tom
Supportive

Hi Tom,

This is Bob Reitsma, the friend of Iain & Hanne Prince doing ornithological field work in the Montes Azules Biosphere Reserve of Chiapas, Mexico. We met briefly one afternoon during your short but sweet visit to the Biological station here in the ~~Reserve~~ ^{I enjoyed chatting with you too}. Do you remember? ^{I wanted} Hope so. Time didn't allow for a whole lot of chatting and I forgot to ask you about how the Min. Crit. Ecosystem project was going in Amazonia. Our role in that project probably has diminished some since your job switch but I'm sure you know about what's going on there anyway. An ambition of mine is to be involved in field work in Amazonia some time and I forgot to tap into your experience and ask you for any names, places, etc. to get in touch with regarding this ambition. If you have can suggest ~~any~~ ^{any} thing or anyone, I'd appreciate it if you could jot it down and send it to New Hampshire along with Iain & Hanne's ~~re~~ address. At least the very least the address would be appreciated (and is probably the most important).

Thanks tons! Again, GREAT chatting with you and the others. It changed me a lot. ^{Folks can be} Nice to know the more well-known ^{Folks} ~~Folks~~ ^{can be} ~~can be~~ ^{very pleasant} ~~real people~~ as well.

1 ACR Ed's Report
Pad 5 WPA 24 Sa ACR cabin in April

99

Concave Semic. Poles

ZPF 3

510 2

So. End 2

Frontal 9

Central 1

East End 2

South Face 2

Circle Wall

15 minutes

I ~~wish~~ wish for you continued sanity
in your very demanding but extremely
important work. Keep on keepin' on bro!

Peace, Bob

